T
581.97
H44

NEW BEDFORD FREE PUBLIC LIBRARY
3 2039 00655 7466

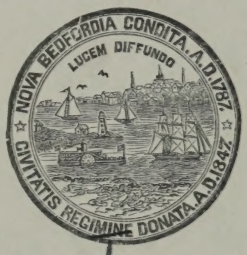
NEW BEDFORD
FREE PUBLIC LIBRARY.

This book can be kept Two Weeks. When returned to be handed to the Librarian. Books to be retaken must be returned to the Library.

FINES for retaining beyond the allowed period, one cent a day. For injury or loss, the actual damage sustained.

Loud conversation and conduct inconsistent with the quiet and orderly use of the Library Rooms are prohibited.

EXTRACT FROM THE LAWS OF MASSACHUSETTS.—Whoever wilfully and maliciously or wantonly and without cause writes upon, injures, defaces, tears or destroys a book, plate, picture, engraving or statue belonging to a law, town, city or other public library, shall be punished by a fine of not less than five, nor more than fifty dollars, or by imprisonment in the jail not exceeding six months.



Number 581.97—H44—a
Access. No. 42624
SYLVIA ANN HOWLAND FUND.

First part is a gift of the Author.

Gift of E. W. Hervey.

A

CATALOGUE

OF THE

Plants Found in New Bedford

AND ITS VICINITY;

ARRANGED ACCORDING TO THE SEASON OF THEIR FLOWERING.

FREE PUBLIC LIBRARY
NEW BEDFORD, MASS.

BY

E. W. HERVEY.

NEW BEDFORD, MASS.:
PRESS OF E. ANTHONY, 67 UNION STREET.
1860.

A

CATALOGUE

T
5-8 1.97
H44

OF THE

Plants Found in New Bedford

AND ITS VICINITY;

ARRANGED ACCORDING TO THE SEASON OF THEIR FLOWERING.

FREE PUBLIC LIBRARY,
NEW BEDFORD, MASS.

BY

E. W. HERVEY.

NEW BEDFORD:
PRESS OF E. ANTHONY, 67 UNION STREET, (THORNTON BLOCK.)
1860.

PREFACE.

These plants are arranged in the order of the periods of their flowering; the dates indicating the time of the FIRST appearing of the flowers of the several species. The duration of their flowering will be readily ascertained by reference to any works on descriptive botany. The "Manual of Botany" of Prof. Asa Gray has been followed in determining the species. A few ornamental trees and shrubs commonly cultivated in the city are included, and are distinguished by being printed in italics. All other species are indigenous or naturalized, and with a few exceptions, which are noticed, have been found within the limits of New Bedford. I am indebted to Thomas A. Greene, Esq., an excellent botanist of this city, for valuable assistance in determining many doubtful species. It is not claimed that this is a complete catalogue of all the plants which can be found in this neighborhood, for many additions will doubtless be made, particularly in the natural orders Gramineæ, Musci, &c., but is simply a list of such as have been brought to my notice during the last four years.

ELIPHALET WMS. HERVEY.

NEW BEDFORD, March 1, 1860.

PLANTS OF NEW BEDFORD.

From March 15th to April 1st.

Genera.	*Common Names.*	*Natural Orders.*
* Stellaria media,	Common chickweed.	Caryophyllaceæ.
* Senecio vulgaris,	Common groundsel.	Compositæ.
Epigæa repens,	Mayflower.	Ericaceæ.
Draba verna,	Whitlow-grass.	Cruciferæ.
Alnus serrulata,	Smooth alder.	Betulaceæ.
Corylus Americana,	Wild hazel nut.	Cupuliferæ.
rostrata,	Beaked hazel nut.	
Populus tremuloides,	American aspen.	Salicaceæ.
grandidentata,	Large-toothed aspen.	

From April 1st to 15th.

Salix discolor,	Glaucous willow.	Salicaceæ.
Juniperus Virginiana,	Red cedar.	Coniferæ.
communis,	*Common juniper.*	
Daphne mezereum,	*Mezereon.*	Thymeleaceæ.
Lamium amplexicaule,	Dead-nettle.	Labiatæ.

From April 15th to May 1st.

Populus balsamifera,		
var. candicans,	*Balm of Gilead.*	Salicaceæ.
alba,	*White poplar.*	
Chrysosplenium Americanum,	Golden saxifrage.	Saxifragaceæ.
Equisetum arvense,	Horsetail.	Equisetaceæ.
sylvaticum,	"	
Capsella bursa-pastoris,	Shepherd's purse.	Cruciferæ.
Symplocarpus fœtidus,	Skunk cabbage.	Araceæ.
Carex Pennsylvanica,	Sedge.	Cyperaceæ.
Novæ-Angliæ,	"	

* These plants bloom through the year.

From April 15th to May 1st.

Genera.	*Common Names.*	*Natural Orders.*
Cupressus thyoides,	White Cedar.	Coniferæ.
Thuja occidentalis,	*American arbor-vitæ.*	"
Larix Americana,	*American larch.*	"
Ulmus Americana,	American elm.	Urticaceæ.
fulva,	*Slippery elm.*	
racemosa,	*Corky white elm.*	
campestris,	*English elm.*	
Shepherdia argentea,	*Buffalo-berry.*	Elæagnaceæ.
Cornus mas,	*Cornelian cherry tree.*	Cornaceæ.
Acer rubrum,	Red maple.	Sapindaceæ.
saccharinum,	*Sugar maple.*	
spicatum,	*Mountain maple.*	
Pennsylvanicum,	*Striped maple.*	
pseudo-platanus,	*Sycamore maple.*	
Anemone nemorosa,	Wind flower.	Ranunculaceæ.
Caltha palustris,	Marsh marigold.	"
Benzoin odoriferum,	Spice bush.	Lauraceæ.
Poa annua,	Low spear-grass.	Gramineæ.
Antennaria plantaginifolia,	Plantain-leaved everlasting.	Compositæ.
Taraxacum Dens-leonis,	Common dandelion.	"
Potentilla Canadensis,	Cinque-foil.	Rosaceæ.
* var. simplex.		
†Arctostaphylos Uva-ursi,	Bearberry.	Ericaceæ.
Chiogenes hispidula,	Creeping snowberry.	"
‡ Rhodora Canadensis,	Rhodora.	"
§ Cassandra calyculata,	Leather leaf.	"

From May 1st to 10th.

‖ Carex vulgaris,	Sedge.	Cyperaceæ.
stricta,	"	
filiformis,	"	
vestita,	"	
sparganioides,	"	
pallescens, var. undulata,	"	
conoidea,	"	
grisea,	"	
canescens,	"	

*A month later. † Wareham. ‡ T. A. Greene. § Dartmouth, (Smith's Mills.)
‖ These Carices do not *all* flower at this time, but all may be found during the month of May and the early part of June.

From May 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Carex stellulata,	Sedge.	Cyperaceæ.
varieties,	"	
tenuiflora,	"	
lupulina,	"	
crinita,	"	
debilis,	"	
polytrichoides,	"	
intumescens,	"	
tentaculata,	"	
hystricina,	"	
Muhlenbergii,	"	
triceps,	"	
gracillima,	"	
scoparia,	"	
vulpinoidea,	"	
ampullacea, var. utriculata,	"	
bullata,	"	
tenella,	"	
comosa,	"	
folliculata,	"	
fœnea,	"	
festucacea, var. tenera,	"	
lagopodioides,	"	
aurea,	"	
Œderi,	"	
Eleocharis tenuis,	Spike rush.	"
palustris,	"	
Luzula campestris,	Wood-rush.	Juncaceæ.
Anthoxanthum odoratum,	Sweet-scented vernal grass.	Gramineæ.
Andromeda floribunda,	*Andromeda.*	Ericaceæ.
Buxus sempervireus,	*Box tree.*	Euphorbiaceæ.
Viola primulæfolia,	Primrose-leaved violet.	Violaceæ.
blanda,	Sweet white violet.	
sagittata,	Arrow-leaved violet.	
lanceolata,	Lance-leaved violet.	
cucullata,	Common blue violet.	
pedata,	Bird-foot violet.	
Muhlenbergii,	American dog violet.	
Fragaria Virginiana,	Strawberry.	Rosaceæ.
Amelanchier Canadensis,	Shad bush.	"

From May 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Erythronium Americanum,	Dog's-tooth violet.	Liliaceæ.
Plantago lanceolata,	Ripplegrass.	Plantaginaceæ.
Betula alba,		
var. populifolia,	White birch.	Betulaceæ.
excelsa,	Yellow birch.	
Coptis trifolia,	Goldthread.	Ranunculaceæ.
Comptonia asplenifolia,	Sweet fern.	Myricaceæ.
Veronica serpyllifolia,	Thyme-leaved speedwell.	Scrophulariaceæ.
peregrina,	Purslane speedwell.	
arvensis,	Corn speedwell.	
Salix Babylonica,	*Weeping willow.*	Salicaceæ.
alba,	*White willow.*	
lucida,	Shining willow.	
* tristis,	Willow.	
Aralia trifolia,	Dwarf ginseng.	Araliaceæ.
Ostrya Virginica,	Hop hornbeam, or Lever wood.	Cupuliferæ.
Carpinus Americana,	Hornbeam, or Iron wood.	"
Abies Canadensis,	Hemlock spruce.	Coniferæ.
balsamea,	*Balsam fir.*	
nigra,	*Black spruce.*	
excelsa,	*Norway spruce.*	
Fraxinus Americana,	White ash.	Oleaceæ.
Forsythia viridissima,	*Forsythia.*	"
Pyrus Japonica.		Rosaceæ.
Magnolia purpurea,	*Magnolia.*	Magnoliaceæ.
Mahonia aquifolium,	*Holly-leaved mahonia.*	Berberidaceæ.
Ribes sanguinea,	*Currant.*	Grossulaceæ.
aureum,	*Missouri currant.*	
rubrum,	*Red currant.*	
floridum,	*Black currant.*	
hirtellum,	Smooth wild gooseberry.	
Prunus,	*Cherry trees of the various cultivated kinds.*	
Vaccinium Pennsylvanicum,	Dwarf blueberry.	Ericaceæ.

From May 10th to 20th.

Aquilegia Canadensis,	Columbine.	Ranunculaceæ.
Ranunculus abortivus,	Small-flowered crowfoot.	"
recurvatus,	Hooked crowfoot.	

* Dartmouth.

From May 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Ranunculus bulbosus,	Bulbous buttercup.	Ranunculaceæ.
acris,	Tall buttercup.	
repens,	Creeping crowfoot.	
Saxifraga Virginiensis,	Early saxifrage.	Saxifragaceæ.
Castilleia coccinea,	Scarlet painted-cup.	Scrophulariaceæ.
Pedicularis Canadensis,	Wood betony.	"
Uvularia sessilifolia,	Sessile-leaved bellwort.	Uvularieæ.
Oldenlandia cærulea,	Bluets.	Rubiaceæ.
Hierochloa borealis,	Holy grass, or Vanilla grass.	Gramineæ.
Spergularia rubra,	Spurrey sandwort.	Caryophyllaceæ.
Cerastium vulgatum,	Mouse-ear chickweed.	"
Sagina procumbens,	Pearlwort.	"
Nepeta glechoma,	Ground ivy, or Gill.	Labiatæ.
Callitriche verna,	Water starwort.	Callitrichaceæ.
autumnalis, var. linearis?		
Cardamine hirsuta,	Common bitter cress.	Cruciferæ.
Sinapis nigra,	Black mustard.	"
Sisymbrium officinale,	Hedge mustard.	"
Turritis glabra,	Tower mustard.	"
Raphanus Raphanistrum,	Wild radish.	"
Nasturtium Armoracia,	*Horseradish.*	"
Malva rotundifolia,	Common mallow.	Malvaceæ.
Chelidonium majus,	Celandine.	Papaveraceæ.
Amygdalus nana,	*Common dwarf almond.*	Rosaceæ.
	The various varieties of the Pear, Apple, Peach, Plum, &c.	

From May 20th to June 1st.

* Gaylussacia resinosa,	Black huckleberry.	Ericaceæ.
frondosa,	Dangleberry.	
Vaccinium vacillans,	Low blueberry.	"
corymbosum,	Swamp blueberry.	
varieties,	"	
Leucothoe racemosa,	Leucothoe.	"
Osmunda cinnamomea,	Cinnamon-fern.	Filices.

* I have seen this with *white* fruit.

From May 20th to June 1st.

Genera.	*Common Names.*	*Natural Orders.*
Osmunda Claytoniana,	Flowering fern.	Filices.
Hypoxis erecta,	Star-grass.	Amaryllidaceæ.
Pyrus arbutifolia,		
var. erythrocarpa,	Choke-berry.	Rosaceæ.
melanocarpa,	"	
Americana,	*American mountain ash.*	
Prunus maritima,	Beach plum.	"
Medicago lupulina,	Black medick.	Leguminosæ.
Lupinus perennis,	Wild lupine,	
	var. white.	"
	blue.	
Trientalis Americana,	Star-flower.	Primulaceæ.
Smilacina bifolia,	False Solomon's seal.	Liliaceæ.
stellata,	"	
Polygonatum biflorum,	Smaller Solomon's seal.	"
Geranium maculatum,	Wild crane's-bill.	Geraniaceæ.
Carolinianum,	Carolina crane's-bill.	
Erigeron bellidifolium,	Robin's plantain.	Compositæ.
Senecio aureus,	Golden ragwort.	"
Krigia Virginica,	Dwarf dandelion.	"
*var. dichotoma.		
Silene antirrhina,	Sleepy catchfly.	Caryophyllaceæ.
Arenaria serpyllifolia,	Thyme-leaved sandwort.	"
Mœhringia laterifolia,	Mœhringia.	"
Rumex acetosella,	Field sorrel.	Polygonaceæ.
Cypripedium acaule,	Lady's slipper.	Orchidaceæ.
Aphyllon uniflorum,	One-flowered cancer-root.	Orobanchaceæ.
Myosotis verna,	Scorpion grass.	Borraginaceæ.
Arisæma triphyllum,	Indian turnip.	Araceæ.
Thalictrum dioicum,	Early meadow-rue.	Ranunculaceæ.
Æsculus hippocastanum,	*Common horse-chestnut.*	Sapindaceæ.
pavia,	*Red buckeye.*	
Sassafras officinale,	Sassafras.	Lauraceæ.
Cornus florida,	Flowering dogwood.	Cornaceæ.
†*Berberis vulgaris*,	*Common barberry.*	Berberidaceæ.
Quercus alba,	White oak.	Cupuliferæ.
prinus,		
var. discolor,	Swamp white oak.	
ilicifolia,	Black scrub oak.	
tinctoria,	Yellow-barked oak.	
rubra,	Red oak.	

*A month later.

† Grows wild in Fall River.

From May 20th to June 1st.

Genera.	*Common Names.*	*Natural Orders.*
Quercus coccinea,	Scarlet oak.	Cupuliferæ.
Fagus ferruginea,	American beech.	"
Morus alba,	*White mulberry.*	Urticaceæ.
Pinus rigida,	Pitch pine.	Coniferæ.
Strobus,	White pine.	
Juglans cinerea,	*Butternut.*	Juglandaceæ.
nigra,	*Black walnut.*	
Carya glabra,	Pig-nut.	"
Platanus occidentalis,	Buttonwood.	Platanaceæ.
Nemopanthes Canadensis,	Mountain holly.	Aquifoliaceæ.
Nuphar advena,	Yellow pond lily.	Nymphæaceæ.
*Myrica Gale,	Sweet gale.	Myricaceæ.
cerifera,	Bayberry.	
Syringa vulgaris,		
var. violacea,	*Common lilac.*	Oleaceæ.
alba,	"	
Persica,	*Persian lilac.*	
Halesia tetraptera,	*Snow-drop tree.*	Styracaceæ.
Lonicera Tartarica,	*Tartarian honeysuckle.*	Caprifoliaceæ.
xylosteum,	*Fly lonicera.*	
Viburnum opulus,		
variety,	*Guelder rose, or Snow-ball.*	"
Weigela rosea.		"
Lycium barbarum,	*Matrimony vine.*	Solanaceæ.
Podophyllum peltatum,	*Mandrake.*	Berberidaceæ.
Kerria Japonica.		Rosaceæ.
Magnolia umbrella,	*Umbrella tree.*	Magnoliaceæ.
acuminata,	*Cucumber tree.*	
Calycanthus floridus,	*Carolina allspice.*	Calycanthaceæ.
lævigatus,	"	
Euonymus atropurpureus,	*Burning bush.*	Celastraceæ.
Cratægus oxycantha,	*English hawthorn.*	Rosaceæ.
Rhododendron maximum,	*Rhododendron.*	Ericaceæ.
Catawbiense,	"	

From June 1st to 10th.

Trifolium pratense,	Red clover.	Leguminosæ.
repens,	White clover.	
procumbens,	Low hop-clover.	
Lathyrus maritimus,	Beach pea.	"

* Great Hill, Marion.

From June 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Marchantia polymorpha,	Brook liverwort.	Hepaticæ.
Sarracenia purpurea,	Side-saddle flower.	Sarraceniaceæ.
Comandra umbellata,	Bastard toad-flax.	Santalaceæ.
Aralia nudicaulis,	Wild sarsaparilla.	Araliaceæ.
Arethusa bulbosa,	Arethusa.	Orchidaceæ.
Pogonia verticillata,	Pogonia.	"
Microstylis monophyllos,	Adder's-mouth.	"
Liparis Loeselii,	Twayblade.	"
* liliifolia,	"	
Sisyrinchium Bermudiana,	Blue-eyed grass.	Iridaceæ.
Iris versicolor,	Larger blue flag.	"
Virginica,	Slender blue flag.	
Acorus calamus,	Sweet flag.	Araceæ.
Cratægus coccinea,	Scarlet-fruited thorn.	Rosaceæ.
Rubus Canadensis,	Low blackberry.	"
villosus,	High blackberry.	
hispidus,	Running swamp blackberry.	
occidentalis,	Thimbleberry.	
† Potentilla Anserina,	Silver-weed.	"
Galium Aparine,	Cleavers.	Rubiaceæ.
Smilax rotundifolia,	Common greenbrier.	Smilaceæ.
‡ Equisetum limosum,	Equisetum.	Equisetaceæ.
Linaria Canadensis,	Wild toad-flax.	Scrophulariaceæ.
Melampyrum Americanum,	Cow wheat.	"
Oxalis stricta,	Yellow wood-sorrel.	Oxalidaceæ.
Leucanthemum vulgare,	Ox-eye daisy.	Compositæ.
Cirsium horridulum,	Yellow thistle.	"
Hieracium venosum,	Rattlesnake-weed.	"
Triglochin maritimum,	Arrow grass.	Alismaceæ.
† Hudsonia ericoides,	Hudsonia.	Cistaceæ.
Helianthemum Canadense,	Frost-weed.	"
Scirpus planifolius,	Club rush.	Cyperaceæ.
Eleocharis obtusa,	Spike rush.	"
tuberculosa,	"	
Poa pratensis,	Common meadow-grass.	Gramineæ.
Glyceria distans,	Sea spear-grass.	"
maritima,	"	
Heracleum lanatum,	Cow parsnip.	Umbelliferæ.
Smilacina racemosa,	False spikenard.	Liliaceæ.
Allium Canadense,	Wild meadow garlic.	"

*T. A. Greene. †Wareham. ‡Rochester. Perhaps will be found earlier.

From June 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Œnothera pumila,	Evening primrose.	Onagraceæ.
Rhamnus catharticus,	Common buckthorn.	Rhamnaceæ.
Ranunculus sceleratus,	Cursed crowfoot.	Ranunculaceæ.
Barbarea vulgaris,	Winter cress.	Cruciferæ.

From June 10th to 20th.

Prunus serotina,	Wild black cherry.	Rosaceæ.
Potentilla argentea,	Silvery cinque-foil.	"
Norvegica,	Tall cinque-foil.	
Viburnum lentago,	Sweet viburnum.	Caprifoliaceæ.
nudum,	Withe-rod.	
Mediola Virginica,	Indian cucumber-root.	Smilaceæ.
Smilax herbacea,	Carrion flower.	"
Cornus alternifolia,	Panicled cornel.	Cornaceæ.
Festuca elatior,	Fescue-grass.	Gramineæ.
ovina, var. duriuscula.		
Danthonia spicata,	Wild oat-grass.	"
Holcus lanatus,	Velvet-grass.	"
Stipa avenacea,	Black oat-grass.	"
Triticum repens,	Couch-grass.	"
Glyceria aquatica,	Reed meadow-grass.	"
nervata,	Glyceria.	
Canadensis,	Rattlesnake-grass.	
elongata,	Glyceria.	
fluitans,	"	
acutiflora,	"	
pallida,	"	
Dactylis glomerata,	Orchard grass.	"
Scirpus pungens,	Club rush.	Cyperaceæ.
* lacustris,	Bulrush.	
maritimus,	Sea club rush.	
sylvaticus.		
Juncus effusus,	Common soft rush.	Juncaceæ.
scirpoides,	Juncus.	
articulatus,	"	
bulbosus,	Black grass.	
tenuis,	Juncus.	
bufonius,	"	
Greenii,	"	

*Rather later.

From June 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Juncus marginatus,	Juncus.	Juncaceæ.
Kalmia augustifolia,	Sheep laurel.	Ericaceæ.
latifolia,	Mountain laurel.	
Rumex obtusifolius,	Bitter dock.	Polygonaceæ.
crispus,	Curled dock.	
sanguineus?	Bloody-veined dock.	
Spergula arvensis,	Corn spurrey.	Caryophyllaceæ.
*Agrostemma githago,	Corn cockle.	"
Asparagus officinalis,	*Garden asparagus.*	Liliaceæ.
Brunella vulgaris,	Self-heal.	Labiatæ.
Sanicula Marilandica,	Black snakeroot.	Umbelliferæ.
Lepidium Virginicum,	Wild peppergrass.	Cruciferæ.
Osmunda regalis,	Flowering fern.	Filices.
var. spectabilis,	"	
Magnolia glauca,	*Small magnolia.*	Magnoliaceæ.
Symphoricarpus racemosus,	*Snowberry.*	Caprifoliaceæ.
Lonicera sempervirens,	*Trumpet honeysuckle.*	"
grata,	*American woodbine.*	
Philadelphus grandiflorus,	*Mock orange.*	Saxifragaceæ.
coronarius,	"	
Chionanthus Virginica,	*Fringe tree.*	Oleaceæ.
Rhus cotinus,	*Smoke plant.*	Anacardiaceæ.
Rosa,		
many varieties,	*Rose.*	Rosaceæ.

Forest trees are now in full foliage, (20th June.)

From June 20th to July 1st.

Mitchella repens,	Partridge berry.	Rubiaceæ.
Galium trifidum,	Small bedstraw.	"
circæzans,	Wild licorice.	
Calystegia sepium,	Hedge bindweed.	Convolvulaceæ.
Trifolium arvense,	Rabbit-foot clover.	Leguminosæ.
agrarium,	Hop-clover.	
Nyssa multiflora,	Tupelo.	Cornaceæ.
Viburnum dentatum,	Arrow-wood.	Caprifoliaceæ.
Solanum dulcamara,	Bittersweet.	Solanaceæ.
Azalea viscosa,	White swamp-honeysuckle.	Ericaceæ.
Pogonia ophioglossoides,	Pogonia.	Orchidaceæ.
Calopogon pulchellus,	Calopogon.	"
Panicum latifolium,	Panic-grass.	Gramineæ.

*An introduced species, *rare.*

From June 20th to July 1st.

Genera.	*Common Names.*	*Natural Orders.*
Panicum dichotomum,		
2 or 3 varieties,	Panic-grass.	Gramineæ.
depauperatum,	"	
Trisetum palustre,	Trisetum.	"
Bromus secalinus,	Cheat.	"
mollis,	"	
Phalaris arundinacea,	Reed Canary-grass.	"
variety,	*Ribbon grass.*	
Canariensis,	Canary-grass.	
Poa compressa,	Wire grass.	"
Agrostis vulgaris,	Red-top.	"
alba,	White bent-grass.	
scabra,	Hair grass.	
perennans,	Thin grass.	
Phleum pratense,	Herds-grass.	"
Aira flexuosa,	Common hair grass.	"
Alopecurus geniculatus,	Floating foxtail.	"
* Sedum acre,	Mossy stone-crop.	Crassulaceæ.
Polygala polygama,	Polygala.	Polygalaceæ.
Lysimachia quadrifolia,	Loosestrife.	Primulaceæ.
stricta,	"	
† Hottonia inflata,	Featherfoil.	"
Achillea millefolium,	Yarrow.	Compositæ.
Sonchus oleraceus,	Sow thistle.	"
asper,	Spiny-leaved sow thistle.	
Thalictrum cornuti,	Meadow-rue.	Ranunculaceæ.
Rosa Carolina,	Swamp rose.	Rosaceæ.
rubiginosa,	*True sweet-brier.*	
Lathyrus palustris,	Marsh vetchling.	Leguminosæ.
Vicia sativa,	Tare.	"
Myosotis palustris,	True forget-me-not.	Borraginaceæ.
Rhus toxicodendron,	Poison ivy.	Anacardiaceæ.
venenata,	Poison dogwood.	
typhina,	Staghorn sumach.	
glabra,	Smooth sumach.	
Specularia perfoliata,	Venus's looking-glass.	Campanulaceæ.
Limnanthemum lacunosum,	Floating heart.	Gentianaceæ.
Nymphæa odorata,	White water-lily.	Nymphæaceæ.
Potamogeton hybridus,	Pondweed.	Naiadaceæ.
pusillus,	"	

* Fairhaven. † Dartmouth.

From June 20th to July 1st.

Genera.	*Common Names.*	*Natural Orders.*
Potamogeton heterophyllus,	Pondweed.	Naiadaceæ.
fluitans,	"	
Zostera marina,	Eel-grass.	"
Ruppia maritima,	Ditch-grass.	"
Ilex lævigata,	Smooth winterberry.	Aquifoliaceæ.
opaca,	American holly.	
verticillata,	Black alder.	
glabra,	Inkberry.	
Silene inflata,	Bladder campion.	Caryophyllaceæ.
noctiflora,	Night-flowering catchfly.	
Dicksonia punctilobula,	Dicksonia.	Filices.
Aspidium spinulosum,	Wood-fern.	"
var. dilatatum,	"	
thelypteris,	"	
noveboracense,	"	
marginale,	"	
cristatum,	"	
acrostichoides,	"	
Woodsia obtusa,	Woodsia.	"
Asplenium ebeneum,	Spleenwort.	"
thelypteroides,	"	
filix-fœmina,	"	
trichomanes,	"	
Pteris aquilina,	Common brake.	"
Adiantum pedatum,	Maidenhair.	"
Onoclea sensibilis,	Sensitive fern.	"
Woodwardia augustifolia,	Woodwardia.	"
Virginica,	"	
Polypodium vulgare,	Polypody.	"
Robinia viscosa,	*Clammy locust.*	Leguminosæ.
pseudacacia,	Common locust.	
Gleditschia triacanthos,	*Honey locust.*	"
Tilia Americana,	*Basswood, or Linden.*	Tiliaceæ.
Europæa,	*European linden.*	
Liriodendron tulipifera,	*Tulip tree.*	Magnoliaceæ.
Deutsia scabra.		Philadelpheæ.

From July 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Aralia racemosa,	Spikenard.	Araliaceæ.
* Symphytum officinale,	Common comfrey.	Borraginaceæ.
Onosmodium Virginianum,	False gromwell.	"
Erigeron strigosum,	Daisy fleabane.	Compositæ.
annuum,	"	
Maruta Cotula,	May-weed.	"
Rudbeckia hirta,	Cone-flower.	"
laciniata,	"	
Pyrola rotundifolia,	Round-leaved pyrola.	Ericaceæ.
elliptica,	Shin leaf.	
Vaccinium macrocarpon,	Cranberry.	"
Andromeda ligustrina,	Andromeda.	"
Vitis Labrusca,	Northern fox-grape.	Vitaceæ.
cordifolia,	Frost-grape.	
Spiræa salicifolia,	Meadow-sweet.	Rosaceæ.
Apocynum cannabinum,	Indian hemp.	Apocynaceæ.
Pastinaca sativa,	Wild parsnip.	Umbelliferæ.
Daucus Carota,	Wild carrot.	"
Hydrocotyle Americana,	Marsh pennywort.	"
† interrupta,	"	
Cicuta maculata,	Water hemlock.	"
‡ bulbifera,	"	
Conium maculatum,	Poison hemlock.	"
Sambucus Canadensis,	Elder.	Caprifoliaceæ.
Leonurus Cardiaca,	Motherwort.	Labiatæ.
Nepeta Cataria,	Catnip.	"
Hypericum perforatum,	St. John's wort.	Hypericaceæ.
Platanthera flava,	Yellowish orchis.	Orchidaceæ.
Hemerocallis fulva,	Day lily.	Liliaceæ.
Verbascum Thapsus,	Mullein.	Scrophulariaceæ.
Lychnitis ?	White mullein.	
Linaria vulgaris,	Butter and eggs.	"
§ Veronica scutellata,	Marsh speedwell.	"
Eleocharis acicularis ?	Spike rush.	Cyperaceæ.
pygmea,	"	
Rhynchospora alba,	Beak rush.	"
glomerata,	"	
Cladium mariscoides,	Twig rush.	"
Eriophorum Virginicum,	Cotton grass.	"
polystachyon,	"	

* Dartmouth. † T. A. Greene. ‡ Acushnet. § Perhaps will be found earlier.

From July 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Dulichium spathaceum,	Dulichium.	Cyperaceæ.
Poa serotina,	Fowl meadow-grass.	Gramineæ.
trivialis,	Rough meadow-grass.	
Brachyelytrum aristatum,	Brachyelytrum.	"
Calamagrostis Canadensis,	Blue joint-grass.	"
Typha latifolia,	Cat-tail flag.	Typhaceæ.
angustifolia,	Small cat-tail flag.	
Sparganium ramosum,	Bur-reed.	"
Scleranthus annuus,	Knawel.	Caryophyllaceæ.
Melilotus alba,	White melilot.	Leguminosæ.
officinalis,	Yellow melilot.	
Œnothera biennis,	Evening primrose.	Onagraceæ.
Epilobium angustifolium,	Great willow-herb.	"
coloratum,	Epilobium.	
*hirsutum,	Codlins and cream.	
Ludwigia palustris,	Water purslane.	"
alternifolia,	Seed box.	
Asclepias Cornuti,	Milkweed.	Asclepiadaceæ.
Isoetes lacustris,	Quillwort.	Hydropterides.
Cirsium arvense,	Canada thistle.	Compositæ.
Anemone Virginiana,	Tall anemone.	Ranunculaceæ.
Aletris farinosa,	Star-grass.	Hæmodoraceæ.
Plantago major,	Common plantain.	Plantaginaceæ.
Ailanthus glandulosus,	*Tree-of-Heaven.*	Rutaceæ.
Castanea vesca,	*Chestnut.*	Cupuliferæ.
Ligustrum vulgare,	*Privet.*	Oleaceæ.

From July 10th to 20th.

Baptisia tinctoria,	Wild indigo.	Leguminosæ.
Tephrosia Virginiana,	Goat's-rue.	"
Drosera rotundifolia,	Sundew.	Droseraceæ.
longifolia,	"	
Gaultheria procumbens,	Boxberry.	Ericaceæ.
Chimaphila umbellata,	Pipsissewa, or Wintergreen.	"
maculata,	Spotted wintergreen.	
Monotropa uniflora,	Indian pipe.	"
†Hypopitys,	False beech-drops.	
Linum Virginianum,	Wild flax.	Linaceæ.
Impatiens fulva,	Spotted touch-me-not.	Balsaminaceæ.

*This introduced species, not described in "Gray's Manual," is quite common in waste places in the city.

†Great Hill, Marion.

From July 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Lobelia spicata,	Lobelia.	Lobeliaceæ.
Dortmanna,	Water lobelia.	
Cannabis sativa,	Hemp.	Cannabineæ.
Humulus lupulus,	*Hop.*	"
Geum album,	Avens.	Rosaceæ.
Gnaphalium uliginosum,	Low cudweed.	Compositæ.
Sericocarpus conyzoides,	White-topped aster.	"
Cirsium lanceolatum,	Common thistle.	"
Hieracium Gronovii,	Hairy hawkweed.	"
Lactuca elongata,		
var. integrifolia,	Wild lettuce.	"
sanguinea,	"	
Tanacetum vulgare,	Tansy.	"
Phytolacca decandra,	Pokeweed.	Phytolaccaceæ.
Asclepias phytolaccoides,	Poke-milkweed.	Asclepiadaceæ.
incarnata,		
var. pulchra,	Swamp milkweed.	
tuberosa,	Butterfly-weed.	
Pontederia cordata,	Pickerel-weed.	Pontederiaceæ.
* Gratiola aurea,	Gratiola.	Scrophulariaceæ.
Ilysanthes gratioloides,	False pimpernel.	"
Ranunculus aquatilis,		
var. divaricatus,	White water crowfoot.	Ranunculaceæ.
alismæfolius,	Spearwort.	
Cymbalaria,	Sea-side crowfoot.	
Galium asprellum,	Rough bedstraw.	Rubiaceæ.
triflorum,	Sweet-scented bedstraw.	
pilosum,	Bedstraw.	
Dianthus Armeria,	Deptford pink.	Caryophyllaceæ.
Circæa Lutetiana,	Enchanters' nightshade.	Onagraceæ.
Lilium Philadelphicum,	Wild orange-red lily.	Liliaceæ.
† Canadense,	Wild yellow lily.	
superbum,	Turk's-cap lily.	
Campanula aparinoides,	Marsh bellflower.	Campanulaceæ.
Sium lineare,	Water parsnip.	Umbelliferæ.
Ceanothus Americanus,	New Jersey tea.	Rhamnaceæ.
Cornus sericea,	Kinnikinnik.	Cornaceæ.
Eriocaulon septangulare,	Pipewort.	Eriocaulonaceæ.
‡ Lemna.		
Catalpa bignonioides,	*Catalpa.*	Bignoniaceæ.
Polygonum Persicaria,	Lady's thumb.	Polygonaceæ.

*Acushnet. †Fairhaven. Rare. ‡Probably will be found here.

From July 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Polygonum hydropiper,	Smart-weed.	Polygonaceæ.
acre,	Wild smartweed.	
hydropiperoides,	Mild water pepper.	
aviculare,	Knotgrass.	
arifolium,	Halberd-leaved tear-thumb.	
sagittatum,	Arrow-leaved tear-thumb.	
dumetorum,	Climbing false buckwheat.	

From July 20th to August 1st.

Lechea major,	Pinweed.	Cistaceæ.
minor,	"	
Hypericum corymbosum,	St. John's wort.	Hypericaceæ.
mutilum,	"	
Canadense,	"	
Sarothra,	Orange grass.	
Elodea Virginica,	Marsh St. John's wort.	"
* Pycnanthemum incanum,	Basil.	Labiatæ.
* muticum,	"	
Lycopus Europæus,	Water hoarhound.	"
Stachys palustris, var. aspera,	Hedge nettle.	"
Ballota nigra,	Black hoarhound.	"
Scutellaria galericulata,	Skullcap.	"
lateriflora,	"	
Lysimachia lanceolata,	Loosestrife.	Primulaceæ.
Anagallis arvensis,	Common pimpernel.	"
Agrimonia Eupatoria,	Common agrimony.	Rosaceæ.
Spiræa tomentosa,	Hardhack.	"
Proserpinaca palustris,	Mermaid weed.	Onagraceæ.
pectinacea,	"	
Epilobium palustre, var. lineare,	Willow herb.	"
Cakile Americana,	American sea-rocket.	Cruciferæ.
Polygala sanguinea,	Polygala.	Polygalaceæ.
cruciata,	"	
verticillata,	"	
Urtica gracilis,	Tall wild nettle.	Urticaceæ.
Bœhmeria cylindrica,	False nettle.	"
Lobelia inflata,	Indian tobacco.	Lobeliaceæ.
* Platanthera cristata,	Crested orchis.	Orchidaceæ.

* Fairhaven.

From July 20th to August 1st.

Genera.	*Common Names.*	*Natural Orders.*
Platanthera blephariglottis,	White fringed orchis.	Orchidaceæ.
lacera,	Ragged orchis.	
* psycodes,	Small purple fringed orchis.	
Gymnadenia tridentata,	Naked-gland orchis.	"
Verbena hastata,	Blue vervain.	Verbenaceæ.
urticifolia,	White vervain.	
Cirsium pumilum,	Pasture thistle.	Compositæ.
Leontodon autumnale,	Fall dandelion.	"
Æsculus glabra,	*Ohio buckeye.*	Sapindaceæ.
Saponaria officinalis,	Common soapwort.	Caryophyllaceæ.
Mollugo verticillata,	Carpet-weed.	"
Apocynum androsæmifolium,	Spreading dogbane.	Apocynaceæ.
Scirpus eriophorum,	Wool-grass.	Cyperaceæ.
Glyceria obtusa,	Glyceria.	Gramineæ.
Utricularia vulgare,	Greater bladderwort.	Lentibulaceæ.
clandestina,	Bladderwort.	
purpurea,	Purple bladderwort.	
cornuta,	Horned bladderwort.	
Gerardia flava,	Downy false foxglove.	Scrophulariaceæ.
Mimulus ringens,	Monkey flower.	"
Sagittaria variabilis,	Arrow-head.	Alismaceæ.
Alisma plantago, var. Americanum,	Water plantain.	"
Ampelopsis quinquefolia,	Virginia creeper.	Vitaceæ.
Rhexia Virginica,	Meadow beauty.	Melastomaceæ.
Nesæa verticillata,	Swamp loosestrife.	Lythraceæ.
Sabbatia chloroides,	American centaury.	Gentianaceæ.
Bartonia tenella,	Bartonia.	"
Solanum nigrum,	Common nightshade.	Solanaceæ.

From August 1st to 10th.

Lobelia cardinalis,	Cardinal-flower.	Lobeliaceæ.
Clematis Virginiana,	Virgin's-bower.	Ranunculaceæ.
Lespedeza violacea,	Bush-clover.	Leguminosæ.
procumbens,	"	
hirta,	"	
capitata,	"	
var. angustifolia,	"	
Cassia nictitans,	Wild sensitive plant.	"
† Chamæcrista,	Partridge pea.	

* Plymouth. † Dartmouth.

From August 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
* Cassia Marilandica,	Wild senna.	Leguminosæ.
Apios tuberosa,	Ground-nut.	"
Phaseolus diversifolius,	Wild bean.	"
Cephalanthus occidentalis,	Button bush.	Rubiaceæ.
Helianthus strumosus,	Sunflower.	Compositæ.
divaricatus,	"	
annuus,	*Common sunflower.*	
Antennaria margaritacea,	Pearly everlasting.	"
Gnaphalium polycephalum,	Common everlasting.	"
purpureum,	Purplish cudweed.	
Erechthites hieracifolia,	Fire-weed.	"
Lappa major,	Common burdock.	"
Cichorium intybus,	Succory.	"
Inula Helenium,	Elecampane.	"
† Chrysopsis falcata,	Golden aster.	"
Erigeron Canadense,	Horse-weed.	"
Panicum sanguinale,	Finger-grass.	Gramineæ.
agrostoides,	Panic-grass.	
virgatum,	Tall panic-grass.	
clandestinum,	Panic-grass.	
Crus-Galli,	Barnyard grass.	
Setaria glauca,	Bristly foxtail grass.	"
viridis,	Green foxtail grass.	
Italica,	*Foxtail grass.*	
Paspalum setaceum,	Paspalum.	"
Elymus Virginicus,	Wild rye.	"
Canadensis,	"	
Spartina juncea,	Rush salt grass.	"
stricta,		
var. glabra,	Salt-marsh grass.	
Muhlenbergia Mexicana,	Muhlenbergia.	"
Chenopodium hybridum,	Maple-leaved goosefoot.	Chenopodiaceæ.
murale,	Pigweed.	
album,	"	
Botrys,	*Jerusalem oak.*	
Atriplex hastata,	Orache.	"
Obione arenaria,	Sand orache.	"
Salicornia herbacea,	Glasswort.	"
mucronata,	"	
ambigua,	"	

* Westport.

† Great Hill, Marion.

From August 1st to 10th.

Genera.	*Common Names.*	*Natural Orders.*
Chenopodina maritima,	Sea goosefoot.	Chenopodiaceæ.
Goodyera pubescens,	Rattlesnake plantain.	Orchidaceæ.
Spiranthes gracilis,	Lady's tresses.	"
Lycopodium inundatum,	Club moss.	Lycopodiaceæ.
dendroideum,	Ground pine.	
clavatum,	Common club moss.	
complanatum,	Creeping lycopodium.	
lucidulum,	Lycopodium.	
Selaginella rupestris,	Selaginella.	"
Botrychium lunarioides,	Moonwort.	Ophioglosseæ.
Discopleura capillacea,	Mock bishop-weed.	Umbelliferæ.
Clethra alnifolia,	Sweet pepperbush.	Ericaceæ.
Physostegia Virginiana,	False dragon-head.	Labiatæ.
Teucrium Canadense,	Wood sage.	"
Mentha piperita,	Peppermint.	"
Canadensis,	Wild mint.	
viridis,	*Spearmint.*	
Hedeoma pulegioides,	American pennyroyal.	"
Statice Limonium,	Marsh-rosemary.	Plumbaginaceæ.
Plantago maritima,	Seaside plantain.	Plantaginaceæ.
Penthorum sedoides,	Ditch stone-crop.	Crassulaceæ.
* Sedum telephium,	Live-forever.	"
Datura stramonium,	Common stramonium,	Solanaceæ.
Chelone glabra,	Snake-head.	Scrophulariaceæ.
Lythrum salicaria,	Spiked loosestrife.	Lythraceæ.
Tecoma radicans,	*Trumpet creeper.*	Bignoniaceæ.
Juncus Conradi,	Bog rush.	Juncaceæ.
Euphorbia polygonifolia,	Shore spurge.	Euphorbiaceæ.
maculata,	Spotted spurge.	
†*Cyparissias*,	*Cypress spurge.*	
Xyris Caroliniana,	Yellow-eyed grass.	Xyridaceæ.
‡ Polygonum Virginianum,	Polygonum.	Polygonaceæ.
orientale,	*Prince's feather.*	
tenue.		
Pennsylvanicum,	Polygonum.	
Careyi,	"	
Portulaca oleracea,	Common purslane.	Portulacaceæ.
Hibiscus Syriacus,	*Shrubby althæa.*	Malvaceæ.
Dioscorea villosa,	Wild yam-root.	Dioscoreaceæ.

* Dartmouth. Escaped from gardens. †A month earlier. ‡T. A. Greene.

From August 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Hieracium Canadense,	Canada hawkweed.	Compositæ.
scabrum,	Rough hawkweed.	
Nabalus albus,	Rattlesnake-root.	"
Cirsium discolor,	Thistle.	"
Iva frutescens,	High water shrub, or Marsh elder.	"
Ambrosia artemisiæfolia,	Roman wormwood.	"
* Pluchea camphorata,	Salt-marsh fleabane.	"
Diplopappus umbellatus,	Double-bristled aster.	"
Aster corymbosus,	Aster.	"
spectabilis,	"	
Eupatorium purpureum,	Trumpet-weed.	"
teucrifolium,	Eupatorium.	
perfoliatum,	Thoroughwort.	
† hyssopifolium,	Eupatorium.	
Bidens frondosa,	Common beggar-tick.	"
cernua,	Bur-marigold.	
chrysanthemoides,	"	
Amphicarpæa monoica,	Hog peanut.	Leguminosæ.
Desmodium nudiflorum,	Tick-trefoil.	"
rotundifolium,	"	
acuminatum,	"	
paniculatum,	"	
Canadense,	"	
rigidum,	"	
Marilandicum,	"	
Cuscuta Gronovii,	Dodder.	Convolvulaceæ.
Gerardia purpurea,	Purple gerardia.	Scrophulariaceæ.
maritima,	Sea-side gerardia.	
Rhus copallina,	Dwarf sumach.	Anacardiaceæ.
Cyperus strigosus,	Galingale.	Cyperaceæ.
‡ filiculmus,	"	
diandrus,	"	
Nuttallii,	"	
§ ‖ dentatus,	"	
Fimbristylis autumnalis,	Fimbristylis.	"
§ capillaris,	"	
Bryzopyrum spicatum,	Spike grass.	Gramineæ.
Cinna arundinacea,	Wood reed-grass.	"
Eragrostis pectinacea,	Eragrostis.	"

* Fairhaven.
† Naushon.
‡ May be found a month earlier.
§ T. A. Greene.
‖ Dartmouth.

From August 10th to 20th.

Genera.	*Common Names.*	*Natural Orders.*
Eragrostis capillaris?	Eragrostis.	Gramineæ.
Hibiscus Moscheutos,	Swamp rose-mallow.	Malvaceæ.
Malva crispa,	Curled mallow.	"

From August 20th to September 1st.

Andropogon furcatus,	Beard grass.	Gramineæ.
scoparius,	"	
Panicum proliferum,	Panic grass.	"
capillare,	"	
Spartina cynosuroides,	Fresh-water cord grass.	"
Calamagrostis coarctata,	Reed bent-grass.	"
arenaria,	Sea sand-reed.	
Muhlenbergia sobolifera,	Drop-seed grass.	"
Sporobolus serotinus,	"	"
Leersia oryzoides,	Rice cut-grass.	"
Trichostema dichotomum,	Blue curls.	Labiatæ.
Spiranthes cernua,	Ladies' tresses.	Orchidaceæ.
Cirsium muticum,	Swamp thistle.	Compositæ.
Xanthium strumarium,	Common cocklebur.	"
Diplopappus linariifolius,	Double-bristled aster.	"
Eupatorium aromaticum,	Eupatorium.	"
Mikania scandens,	Climbing hemp-weed.	"
Vernonia Noveboracensis,	Iron weed.	"
Liatris scariosa,	Blazing star.	"
Aster patens,	Aster.	"
acuminatus,	"	
lævis,	"	
undulatus,	"	
dumosus,	"	
Tradescanti,	"	
miser,	"	
tenuifolius,	"	
longifolius,	"	
Novæ-Angliæ,	"	
flexuosus,	"	
linifolius,	"	
multiflorus,	"	
Solidago bicolor,	White golden-rod.	"
sempervirens,	Salt marsh golden-rod.	
altissima.		
ulmifolia.		
odora,	Sweet golden-rod.	

FREE PUBLIC LIBRARY NEW BEDFORD, MASS.

From August 20th to September 1st.

Genera.	*Common Names.*	*Natural Orders.*
Solidago nemoralis,	Gray golden-rod.	Compositæ.
elliptica,	Golden-rod.	
serotina,	"	
gigantea,	"	
lanceolata,	"	
tenuifolia,	"	
puberula,	"	
cæsia,	"	
Salsola Kali,	Common saltwort.	Chenopodiaceæ.
Pilea pumila,	Clearweed.	Urticaceæ.
Gerardia tenuifolia,	Slender gerardia.	Scrophulariaceæ.
pedicularia,	Gerardia.	
quercifolia,	Smooth false foxglove.	
Polygonum aviculare, var. erectum,	Knotgrass.	Polygonaceæ.
* articulatum,	Jointweed.	
Amarantus hybridus,	Green amaranth.	Amarantaceæ.
retroflexus,	Pigweed.	
albus,	"	
Epiphegus Virginiana,	Beech-drops.	Orobanchaceæ.

From September 1st to 10th.

Aristida dichotoma,	Poverty grass.	Gramineæ.
gracilis,	Triple-awned grass.	
purpurascens,	"	
Tricuspis purpurea,	Sand grass.	"
Sorghum nutans,	Indian grass.	"
Panicum filiforme,	Panic grass.	"
Vilfa aspera,	Rush grass.	"
vaginæflora,	"	
Acalypha Virginica,	Three-seeded mercury.	Euphorbiaceæ.

September 10th.

Gentiana crinita,	Fringed gentian.	Gentianaceæ.
Andrewsii,	Closed gentian.	

October.

Hamamelis Virginica,	Witch hazel.	Hamamelaceæ.

* Wareham.

NOTE. — Through the politeness of a friend, I am enabled to add the following valuable list of Mosses and Liverworts:

Musci (Mosses.)

Spagnum cymbifolium, Dill.
acutifolium, Ehrh.
Phascum Sullivantii?
Dicranum scoparium, L.
Leucobryum glaucum, Hampe.
Fissidens ——?
Trichostomum pallidum, Hedw.
Barbula cæspitosa, Schwægr.
Tetraphis pellucida, Hedw.
Orthotrichum affine, Schrad.
Hutchinsiæ, Smith.
Ludwigii, Schwægr.
strangulatum, Beauv.
Hedwigia ciliata, Ehrh.
Diphyscium foliosum, Web.
Atrichum angustatum, Beauv.
—— undulatum
Pogonatum brevicaule, Brid.
Polytrichum commune, Linn.
gracile, Menzies.
piliferum, Schreb.
Bryum roseum, Schreb.
argenteum, Linn.
Timmia megapolitana, Hedw.
Bartramia pomiformis, Hedw.
Funaria hygrometrica, Hedw.
Fontinalis antipyretica, L.
Dichelyma ?
Leucodon julaceus, Sulliv.
Neckera pennata, Hedw.
Climacium Americanum, Brid.
Hypnum splendens, Hedw.
6 or 8 undetermined species.

Hepaticæ (Liverworts.)

Anthoceros lævis, L.
Marchantia polymorpha, L.
Fegatella conica, Corda.
Metzgeria furcata, Nees.
Aneura palmata, Nees.
Steetzia Lyellii, Lehm.
Pellia epiphylla, Nees.
Blasia pusilla, L.
Fossombronia pusilla, Nees.
Geocalyx graveolens, Nees.
Lophocolea heterophylla, Nees.
Sphagnœcetis communis, Nees.
Jungermannia trichophylla, L.
—— connivens, Dickson.
—— obtusifolia
Riccia fluitans
Aneura multifida
Fimbriaria tenella
Notothylas valvata
Trichocolea tomentella.
Jungermannia curvifolia, Dickson.
intermedia, Lindenberg?
crenulata, Smith.
Plagiochila porelloides, Lindenberg?
Frullania Grayana, Montagne.
Eboracensis, Lehm.
saxatilis, Lindenberg.
Madotheca platyphylla, Dumort.
Radula complanata, Dumortier.
obconica, Sulliv.
Ptilidium ciliare, Nees.
Mastigobryum trilobatum, Nees.
Calypogeia Trichomanis, Corda.
Sarcoscyphus Ehrharti, Corda.

INDEX TO THE GENERA,

Not including the Cultivated Plants, or the Mosses and Liverworts (page 27.)

Abies, ... 8
Acalypha, ... 26
Acer, ... 6
Achillea, ... 15
Acorus, ... 12
Adiantum, ... 16
Agrimonia, ... 20
Agrostemma, ... 14
Agrostis, ... 15
Aira, ... 15
Aletris, ... 18
Alisma, ... 21
Allium, ... 12
Alnus, ... 5
Alopecurus, ... 15
Amarantus, ... 26
Ambrosia, ... 24
Amelanchier, ... 7
Ampelopsis, ... 21
Amphicarpæa, .. 24
Anagallis, ... 20
Andromeda, ... 17
Andropogon, ... 25
Anemone, ... 6, 18
Antennaria, ... 6, 22
Anthoxanthum, ... 7
Aphyllon, ... 10
Apios, ... 22
Apocynum, .. 17, 21
Aquilegia, ... 8
Aralia, ... 8, 12, 17
Arctostaphylos, .. 6
Arenaria, ... 10
Arethusa, ... 12
Arisæma, ... 10
Aristida, ... 26
Asclepias, ... 18, 19
Aspidium, ... 16
Asplenium, ... 16
Aster, ... 24, 25
Atriplex, ... 22
Azalea, ... 14
Ballota, ... 20
Baptisia, ... 18
Barbarea, ... 13
Bartonia, ... 21
Benzoin, ... 6
Berberis, ... 10
Betula, ... 8
Bidens, ... 24
Bœhmeria, ... 20
Botrychium, ... 23
Brachyelytrum, . 18
Bryzopyrum, ... 24
Bromus, ... 15
Brunella, ... 14
Cakile, ... 20
Calamagrostris, 18, 25
Callitriche, ... 9
Calopogon, ... 14
Caltha, ... 6
Calystegia, ... 14
Campanula, ... 19
Cannabis, ... 19
Capsella, ... 5
Cardamine, ... 9
Carex 5, 6, 7
Carpinus, ... 8
Carya 11
Cassandra, ... 6
Cassia, ... 21, 22
Castilleia, ... 9
Ceanothus, ... 19
Cephalanthus, ... 22
Cerastium, ... 9
Chelidonium, ... 9
Chelone, ... 23
Chenopodina, ... 23
Chenopodium, ... 22
Chimaphila, ... 18
Chiogenes, ... 6
Chrysopsis, ... 22
Chrysosplenium, .. 5
Cichorium, ... 22
Cicuta, ... 17
Cinna, ... 24
Circæa, ... 19
Cirsium, ... 12, 18, 19, 21, 24, 25
Cladium, ... 17
Clematis, ... 21
Clethra, ... 23
Comandra, ... 12
Comptonia, ... 8
Conium, ... 17
Coptis, ... 8
Cornus, .. 10, 13, 19
Corylus, ... 5
Cratægus, ... 12
Cupressus, ... 6
Cuscuta, ... 24
Cyperus, ... 24
Cypripedium, ... 10
Dactylis, ... 13
Danthonia, ... 13
Datura, ... 23
Daucus, ... 17
Desmodium, ... 24
Dianthus, ... 19
Dicksonia, ... 16
Dioscorea, ... 23
Diplopappus, .24, 25
Discopleura, ... 23
Draba, ... 5
Drosera, ... 18
Dulichium, ... 18
Eleocharis, .7, 12, 17
Elodea, ... 20
Elymus, ... 22
Epigæa, ... 5
Epilobium, ... 18, 20
Epiphegus, ... 26
Equisetum, ... 5, 12
Eragrostis, ... 24, 25
Erecthites, ... 22
Erigeron, .10, 17, 22
Eriocaulon, ... 19
Eriophorum, ... 17
Erythronium, ... 8
Eupatorium, .. 24, 25
Euphorbia, ... 23
Fagus, ... 11
Festuca, ... 13
Fimbristylis, ... 24
Fragaria, ... 7
Fraxinus, ... 8
Galium, .. 12, 14, 19
Gaultheria, ... 18
Gaylussacia, ... 9
Gentiana, ... 26
Geranium, ... 10
Gerardia, .21, 24, 26
Geum, ... 19
Glyceria, .12, 13, 21
Gnaphalium, .19, 22
Goodyera, ... 23
Gratiola, ... 19
Gymnadenia, ... 21
Hamamelis, ... 26
Hedeoma, ... 23
Helianthemum, .. 12
Helianthus, ... 22
Hemerocallis, ... 17
Heracleum, ... 12
Hibiscus, ... 25
Hieracium, 12, 19, 24
Hierochloa, ... 9
Holcus, ... 13
Hottonia, ... 15
Hydrocotyle, ... 17
Hypericum, .. 17, 20
Hypoxys, ... 10
Hudsonia, ... 12
Ilex, ... 16
Ilysanthes, ... 19
Impatiens, ... 18
Inula, ... 22
Iris, ... 12
Isoetes, ... 18
Iva, ... 24
Juncus, .. 13, 14, 23
Juniperus, ... 5
Kalmia, ... 14
Krigia, ... 10
Lactuca, ... 19
Lamium, ... 5
Lappa, ... 22
Lathyrus, ... 11, 15
Lechea, ... 20

Leersia, ... 25
Lemna, ... 19
Leontodon, ... 21
Leonurus, ... 17
Lepidium, ... 14
Lespedeza, ... 21
Leucanthemum, . 12
Leucothoe, ... 9
Liatris, ... 25
Lilium, ... 19
Limnanthemum, . 15
Linaria, ... 12, 17
Linum, ... 18
Liparis, ... 12
Lobelia, .. 19, 20, 21
Ludwigia, ... 18
Lupinus, ... 10
Luzula, ... 7
Lycopodium, ... 23
Lycopus, ... 20
Lysimachia, .. 15, 20
Lythrum, ... 23
Malva, ... 9, 25
Marchantia, ... 12
Maruta, ... 17
Medeola, ... 13
Medicago, ... 10
Melampyrum, ... 12
Melilotus, ... 18
Mentha, ... 23
Microstylis, ... 12
Mikania, ... 25
Mimulus, ... 21
Mitchella, ... 14
Mœhringia, ... 10
Mollugo, ... 21
Monotropa, ... 18
Muhlenbergia, 22, 25
Myosotis, ... 10, 15
Myrica, ... 11
Nabalus, ... 24
Nemopanthes, ... 11
Nepeta, ... 9, 17
Nesæa, ... 21
Nuphar, ... 11
Nymphæa, ... 15
Nyssa, ... 14
Obione, ... 22
Œnothera, ... 13, 18
Oldenlandia, ... 9
Onoclea, ... 16
Onosmodium, ... 17
Osmunda, . 9, 10, 14
Ostrya, ... 8
Oxalis, ... 12
Panicum,
14, 15, 22, 25, 26
Paspalum, ... 22
Pastinaca, ... 17
Pedicularis, ... 9
Penthorum, ... 23
Phalaris, ... 15
Phaseolus, ... 22
Phleum, ... 15
Physostegia, ... 23
Phytolacca, ... 19
Pilea, ... 26
Pinus, ... 11
Plantago, .. 8, 18, 23
Platanthera,
17, 20, 21
Platanus, ... 11
Pluchea, ... 24
Poa, ... 6, 12, 15, 18
Pogonia, ... 12, 14
Polygala, ... 15, 20
Polygonatum, ... 10
Polygonum,
19, 20, 23, 26
Polypodium, ... 16
Pontederia, ... 19
Populus, ... 5
Portulaca, ... 23
Potamogeton, . 15, 16
Potentilla, . 6, 12, 13
Proserpinaca, ... 20
Prunus, ... 10
Pteris, ... 16
Pycnanthemum, . 20
Pyrola, ... 17
Pyrus, ... 10, 13
Quercus, ... 10, 11
Ranunculus,
8, 9, 13, 19
Raphanus, ... 9
Rhamnus, ... 13
Rhexia, ... 21
Rhodora, ... 6
Rhus, ... 15, 24
Rhynchospora, .. 17
Ribes, ... 8
Robinia, ... 16
Rosa, ... 15
Rubus, ... 12
Rudbeckia, ... 17
Rumex, ... 10, 14
Ruppia, ... 16
Sabbatia, ... 21
Sagina, ... 9
Sagittaria, ... 21
Salicornia, ... 22
Salix, ... 5
Salsola, ... 26
Sambucus, ... 17
Sanicula, ... 14
Saponaria, ... 21
Sarracenia, ... 12
Sassafras, ... 10
Saxifraga, ... 9
Scirpus, .. 12, 13, 21
Scleranthus, ... 18
Scutellaria, ... 20
Sedum, ... 15, 23
Selaginella, ... 23
Senecio, ... 5, 10
Sericocarpus, ... 19
Setaria, ... 22
Silene, ... 10, 16
Sinapis, ... 9
Sisymbrium, ... 9
Sisyrinchium, ... 12
Sium, ... 19
Smilacina, ... 10, 12
Smilax, ... 12, 13
Solanum, ... 14, 21
Solidago, ... 25, 26
Sonchus, ... 15
Sorghum, ... 26
Sparganium, ... 18
Spartina, ... 22, 25
Specularia, ... 15
Spergula, ... 14
Spergularia, ... 9
Spiræa, ... 17, 20
Spiranthes, ... 23, 25
Sporobolus, ... 25
Stachys, ... 20
Statice, ... 23
Stellaria, ... 5
Stipa, ... 13
Symphytum, ... 17
Symplocarpus, ... 5
Tanacetum, ... 19
Taraxacum, ... 6
Tephrosia, ... 18
Teucrium, ... 23
Thalictrum, .. 10, 15
Trichostema, ... 25
Tricuspis, ... 26
Trientalis, ... 10
Trifolium, ... 11, 14
Triglochin, ... 12
Trisetum, ... 15
Triticum, ... 13
Turritis, ... 9
Typha, ... 18
Ulmus, ... 6
Urtica, ... 20
Utricularia, ... 21
Uvularia, ... 9
Vaccinium, . 8, 9, 17
Verbascum, ... 17
Verbena, ... 21
Vernonia, ... 25
Veronica, ... 8, 17
Viburnum, ... 13, 14
Vicia, ... 15
Vilfa, ... 26
Viola, ... 7
Vitis, ... 17
Woodsia, ... 16
Woodwardia, ... 16
Xanthium, ... 25
Xyris, ... 23
Zostera, ... 16

Flora of New Bedford,

AND THE

SHORES OF BUZZARD'S BAY,

WITH A

Procession of the Flowers.

BY

E. W. HERVEY.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., PRINTERS.
1891.

42624

Flora of New Bedford,

AND THE

SHORES OF BUZZARD'S BAY,

WITH A

Procession of the Flowers.

FREE PUBLIC LIBRARY
MAY 1891
NEW BEDFORD, MASS.

BY

E. W. HERVEY.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., PRINTERS.
1891.

42624

PREFACE.

"A Catalogue of the Plants found in New Bedford and its Vicinity," prepared by the present writer, was published in the year 1860.

In the lapse of thirty years many important changes have been made in the nomenclature of plants, occasioned in part by the advances made in botanical science, and partly by a recent determination to adopt as far as possible the oldest specific names known to botanists, at least as far back as the time of Linnæus, in preference to more recent ones which have, inadvertently perhaps, been given to the same plant.

These changes in some instances are so complete that in the absence of synonymes one would fail to recognize the plant by its present name. The object of this work is to correct the nomenclature of the earlier Catalogue, to supply omissions, and to make additions to the list of such plants as have been brought to my attention up to the present time, in accordance with the sixth edition of Gray's Manual of the Botany of the Northern United States.

The arrangement of "A Procession of the Flowers," as in the former edition, though unique, has its advantages:

One is enabled to see at a glance what plants are coming into flower in each month and each part of the month, and a comparison with other catalogues where the dates of flowering have been kept is more easily made.

Such a comparison with "A List of Plants collected in the vicinity of Oquawka, Ill., by Harry N. Patterson," in 1874, in which the dates of flowering of three successive years are partially given, dis-

S. A. H. FUND.

closes the interesting fact that the season at Oquawka, which is on the Mississippi River, is much earlier than that of New Bedford by the sea, though both places are practically in the same latitude. The Spring plants of the former region blooming from ten to fifteen days earlier, and those of May, June, and July, from three to four weeks earlier!

An article in the "Garden and Forest," date of Jan. 14, 1891, on "Winter Flowers in Oregon," by E. W. Hammond, gives a list of eight interesting plants blooming the latter part of January. While the species mentioned are wholly unknown to New England, yet it is clear, from the fact of their early blooming and from the additional fact stated, that alders, hazels, and willows, bloom there early in February, "the alder in January if the Winter be mild," that the season on the Pacific coast, in latitude one degree farther north, is six weeks earlier than here!

The flowers of the same locality bloom from year to year with surprising regularity as to time, excepting an occasional variation of about a week in the Spring plants, so that a person desiring to search for a particular plant learns the exact time it is in bloom, and does not make a fruitless search by going too early or too late. A friend of the author desired a specimen of Acorus Calamus; knowing of a locality where it was found thirty years before, he visited the spot at the time indicated in the Catalogue and found it in full flower!

By this arrangement, furthermore, the distribution of the genera through Spring, Summer, and Fall, and the prevailing colors of the flowers of each season are more readily ascertained.

The colors of the flowers, when seen by the critical eye of an artist, do not appear in a single instance to be absolutely pure, simple, and solid, but mixed and blended in varying degrees.

The favorite color of Nature in this region is *yellow* in its different tints and combinations. In number of species there are as many of a

white or whitish color, but these are for the most part diminutive and inconspicuous. The yellows are more noticeable in Spring, owing to the size and abundance of the flowers of a few common species, such as buttercups, dandelions, potentillas, calthas, etc., but there are really as many white flowered species, though the flowers are smaller.

Reds are not abundant at any time, but more common in the Summer months. Purples are most frequent in August and September, when they rank next to the yellows, while the blues are more rare than any other color, and flowers of this hue are small in size, with the exception of the Iris, Lupine, Chicory, Aster, Pontederia, and Gentian. Nature seems to have appropriated this color for the sky and sea, as she has the green to mantle the earth, while she uses the white, yellow, purple, and red, as gems to decorate the whole by a contrast of colors most pleasing to the eye.

The percentage of each color, as to number of species, is as follows: white, 33; yellow, including orange, 33; red and blue purples, 15; red, including crimson, scarlet, and rose, 12; blue, 7.

In collecting a Flora of a populous district it is somewhat difficult to determine what plants are entitled to be recorded as growing spontaneously, and what are not, owing to garden escapes, which are mostly transient or mere waifs. If every such plant were recorded, the list would be considerably increased. The few plants of this class are noted as being "escapes about gardens." There are here, in fact, two distinct floras, one the natural flora of the country, and the other the flora of the town or city.

In a city like New Bedford, with ample grounds around the dwellings, and where the citizens have a marked taste for ornamental plants, the flora of the city is quite different from that of the country, and it would seem to be an inexcusable omission to take no notice of the latter.

I have therefore noted in the Procession of the Flowers the more conspicuous of such cultivated trees, shrubs, and vines, the same being

printed in italics, but have not referred, except incidentally, to the constantly varying herbaceous annuals, etc., of the *parterre*. The time given in the Procession of the Flowers is the time at which they commence to bloom, which was ascertained from an observation of several years. I have endeavored not to place the date too early, but at such a time as a collector might reasonably expect to find the flowers. The dates given will be found to apply fairly well for Massachusetts, Rhode Island, and Connecticut.

A lover of wild flowers has planted in the woods and fields about Nonquitt: Hepatica acutiloba, Sanguinaria Canadensis, Tiarella cordifolia, Asarum Canadense, Trillium erectum, Viola Canadensis, Calluna vulgaris, and Cytisus scoparius. These plants are not native, but appear to be well established, and doubtless will in time become disseminated.

The latitude of New Bedford is 41 deg. 38 min. north latitude; average mean temperature for the past 78 years, 48.39 degrees Fahrenheight (extreme range for the past eight years, from $10\frac{1}{2}$ deg. below to 91 deg. above zero); and average annual rainfall for the past 77 years, $46\frac{3}{5}$ inches, as shown by the records of Capt. Thos. R. Rodman.

There are no very high elevations of land in this district, the highest being near Faunce's Corner, which is two hundred feet above the sea level.

I am indebted to Mr. Henry Willey for some of the rarer ferns and orchids, to Mr. Robert C. Ingraham for the valuable list of Musci and Hepaticæ, page 73, the foregoing gentlemen of this city, and to Dr. E. Lewis Sturtevant, of South Framingham, who has botanized for two seasons about Nonquitt, and generously given me the results of his researches, thereby adding to the completeness of the Flora.

The whole number of plants enumerated as growing spontaneously, including Hepaticæ and Musci, is 1228; cultivated, not native and largely of foreign origin, not including garden annuals, 228; total,

1456. Mr. Henry Willey's "List of North American Lichens," published in 1873, contains 350 species and varieties growing in this district, which if added to the foregoing makes a grand total of 1806 plants whose names have been determined, 99 per cent. of which, or all but about fifteen species, have been found within a radius of seven or eight miles of City Hall.

The Fungi and Algæ, which are abundant and of great variety, have not yet been investigated.

In the determination of a number of the more difficult species, I have consulted with Dr. Sereno Watson, of Harvard University, and with James L. Bennett, Esq., Curator of Brown University. I should also mention in this connection my valued friend, the late Thomas A. Greene, whose knowledge of our Flora was of much benefit to me in my earlier researches.

Eliphalet Williams Hervey.

New Bedford, Mass., May 1, 1891.

PROCESSION OF THE FLOWERS.

Plants Blooming from March 15th to April 1st.

Araceæ.		
*Symplocarpus fœtidus,	Skunk cabbage.	Boggy ground, Mar. 1 to May.
Caryophyllaceæ.		
†Stellaria media,	Chickweed.	Very common through year.
Compositæ.		
†Senecio vulgaris,	Groundsel.	Weed in gardens, &c.
Ericaceæ.		
Epigæa repens,	Mayflower.	Russell's Mills, Marion, Wareham, &c.
Cruciferæ.		
Draba verna,	Whitlow-grass.	Weed in gardens, infrequent, blooms six weeks.
Iridaceæ.		
‡*Crocus vernus*,	Crocus.	Gardens and lawns.
Ranunculaceæ.		
Helleborus niger,	Christmas rose.	Gardens, November to Mar.
Apocynaceæ.		
Vinca minor,	Periwinkle.	Gardens.

*S. fœtidus is probably the earliest-blooming plant, although Epigæa follows very closely. This year (1891) it was in flower Feb. 24th. This leader of the Procession of Flowers very appropriately has a somewhat marshal-like appearance, with its thick helmet or spathe to protect its head of flowers from the snows and cold northerly winds. It has a rank, disagreeable odor, but not the loathsome smell of *smilax herbacea*.

† These plants can be found commonly in flower in sheltered spots, during the Winter months, and they bloom throughout the year. Also the following have been found in mild Winters in the months of January and February, viz.: *Capsella Bursa-pastoris, Draba verna, Spergula arvensis, Cerastium vulgatum, Taraxacum officinale, Poa annua*, and *Vinca minor*.

‡ The Crocus is apparently spontaneous in some old lawns, where it blooms among the grass; or at least it persists for many years.

From April 1st to 15th.

Violaceæ.

Viola rotundifolia,	Round-leaved violet.	Woods, rare.
	Found sparingly in the woods north of Allen st. and east of Slocum road; b. till May.	
odorata,	English violet.	Spontaneous in lawns.

Cupuliferæ.

Alnus serrulata,	Smooth alder.	Bordering streams, swamps; very common.
incana?	Speckled alder.	Bor. streams; not common.
Corylus Americana.	Wild hazel-nut.	Open woods, copses; freq't.
rostrata,	Beaked hazel-nut.	" " "
avellana atropurpurea,	Purple hazel-nut.	Lawns.

Ranunculaceæ.

Hepatica acutiloba,	Hepatica.	Not native. See Preface.
Sanguinaria Canadensis,	Blood-root.	" "

Salicaceæ.

Salix discolor,	Glaucous willow.	By brooks and low wet gr'ds.
Populus tremuloides,	American aspen.	Woods; frequent.
grandidentata,	Large-toothed aspen.	" " [taneous.
alba,	White poplar.	Streets, for shade, also spon-
dilatata,	Lombardy poplar.	Lawns in Fairhaven.

Coniferæ.

Juniperus Virginiana,	Red cedar.	Dry, rocky hills; common.
*communis,	Common juniper.	Several places in Dartmouth.
communis, *var. Hibernica*,	Irish juniper.	Lawns and cemeteries.
Chamæcyparis sphæroidea,	White cedar.	Swamps; common. [tive.
Thuya occidentalis,	Arbor-vitæ.	Lawns, also escaped; not na-
Taxus baccata, *var. Hibernica*,	Irish yew.	Lawns.
Thuya Warreana,	Arbor-vitæ.	Lawns.
Siberica,	"	"
Hoveyii,	"	"
pyramidalis,	"	"
Retinispora obtusa,	Japan cypress.	"
do. *var. nana*,	"	"
plumosa aurea,	"	"
Taxodium distichum,	Am. bald cypress.	"

Labiatæ.

Lamium amplexicaule,	Dead-nettle.	Waste grounds.

Lamium purpureum

*The specimens of J. communis which have been found were all *prostrate*, and usually spreading in a circular form.

From April 1st to 15th.

Compositæ.

Tussilago Farfara,	Coltsfoot.	Wet places; rare.

Equisetaceæ.

Equisetum arvense,	Horsetail.	Moist, gravelly soil.
sylvaticum,	"	Wet, shady places.
limosum,	"	Rochester; found June 1st.

Urticaceæ.

Ulmus Americana,	American elm.	Moist woods; common.
**fulva*,	Slippery elm.	Cultivated for shade.
racemosa,	Cork elm.	" "
campestris,	English elm.	" "
do. var. Camperdown,	Weeping elm.	Ornamental.

Sapindaceæ.

Acer rubrum,	Red maple.	Wet woods; common.
†*saccharinum*,	Sugar maple.	Common as a shade tree.
spicatum,	Mountain maple.	Lawns.
Pennsylvanicum,	Striped maple.	"
dasycarpum,	White maple.	Streets and Lawns.
var. cut-leaf weeping,	" "	Lawns.
Negundo aceroides,	Ash-leaved maple.	Lawns. &c.

Cornaceæ.

Cornus mascula,	Cornelian cherry tree.	Gardens.

Thymelææ.

Daphne Mezereum.	Daphne.	Gardens.

From April 15th to May 1st.

Salicaceæ.

Populus balsamifera,		
var. candicans,	Balm of Gilead.	Common in streets and yards;
Bolleana,	Pyramidal poplar.	Lawns. [adv.

Saxifragaceæ.

Chrysosplenium Americanum.	Golden saxifrage.	Cold, wet woods: frequent.

Abundant in the wet woods just west of Fairhaven R. R. bridge leading to Sconticut Neck, on the south side of the track.

---

* A few seedlings from this tree have been noticed about the city.

† Mr. Charles Bliss states that when he was a boy he knew of a sugar-maple that grew in the woods on Clark's Point, which was tapped for sap. The woods where it grew have since been cut off. This appears to have been a solitary instance. It is doubtful if the sugar-maple now can be found anywhere within twenty miles of the coast.

From April 15th to May 1st.

Cruciferæ.

*Capsella bursa-pastoris,	Shepherd's purse.	A very common weed; b. till November.

Cyperaceæ.

Carex Pennsylvanica,	Sedge.	Dry fields; common.
varia,	"	Dry woods; frequent.

Gramineæ.

Poa annua,	Low spear-grass.	Common; b. till November.

Lauraceæ.

†Lindera Benzoin,	Spice bush.	Marshy woods; frequent.

Compositæ.

Antennaria plantaginifolia,	Plantain-leaved everlasting.	Sterile fields; common.
Taraxacum officinale,	Dandelion.	Very common; b. sparingly till October.

Rosaceæ.

Potentilla Canadensis,	Cinque-foil.	Very common.

Ericaceæ.

Arctostaphylos Uva-ursi,	Bearberry.	Tremont, Onset, &c., May 1.
Chiogenes serpyllifolia,	Creeping snowberry.	Bogs near Howland's spring.
Cassandra calyculata,	Leather-leaf.	Borders of bogs; b. 1 mo.; common.

Myricaceæ.

Myrica asplenifolia,	Sweet fern.	Sterile pastures; common.
Gale,	Sweet gale.	Borders of marshes; com'n.

Callitrichaceæ.

Callitriche heterophylla,	Water starwort.	Muddy pools; b. till Sept.

Ranunculaceæ.

Anemone nemorosa,	Wood anemone.	Border of woods; b. 1 mo.
var. quinquefolia,	Five-leaved anemone.	" " "
Caltha palustris,	Marsh marigold.	Brooks and marshes; b. 1 mo.

Violaceæ.

Viola blanda,	Sweet white violet.	Wet places; common.

Labiatæ.

Nepeta glechoma,	Gill-over-the-ground.	About dwellings and waste places.

---

*See note, page 9.

†The small greenish-yellow flowers are easily recognized at a distance of several yards. The shrub may also be identified by the peculiar white-dotted and granulated surface of its trunk and branches. Some flower buds gathered Feb. 24th of this year, which were then somewhat swollen, on being put in a vase of water bloomed March 24th.

From April 15th to May 1st.

Oleaceæ.

Forsythia suspensa,	Weeping Forsythia.	Gardens.
Fortunii,	Fortune's "	"
viridissima,	Greenest "	"

Thymelæaceæ.

Dirca palustris,	Moosewood.	Gardens.

Euphorbiaceæ.

Buxus sempervirens,	Box tree.	Gardens.

Elæagnaceæ.

Shepherdia argentea,	Buffalo berry.	Gardens.

Compositæ.

Bellis perennis,	English daisy.	Gardens and lawns.

From May 1st to 10th.

Saxifragaceæ.

Saxifraga Virginiensis,	Early saxifrage.	Thin soil on ledges; common.
*do. forma flore pleno,	" "	" "

Violaceæ.

Viola primulæfolia,	Primrose-leaved violet.	Damp or dry soil; b. 1 mo.
sagittata,	Arrow-leaved violet.	Dry soil; blooms 1 month.
lanceolata,	Lance-leaved violet.	Damp or wet soil; b. 1 mo.
palmata var. cucullata,	Common blue violet.	Com'n, low grounds; b. 1 mo.
pedata,	Bird-foot violet.	Sandy soil; b. 1 mo.
canina var. Muhlenbergii,	Dog violet.	Wet open woods; b. 1 mo.
Canadensis,	Canada violet.	Gardens. (See preface.)
tricolor,	Pansy.	Gardens and escaped.
	Found in a meadow near South Dartmouth cemetery.	
pubescens,	Downy yellow violet.	Gardens; b. 1 mo.

Rosaceæ.

Fragaria Virginiana,	Strawberry.	Fields, &c.; common.
var. Illinoensis,	"	" frequent.
vesca?	"	Not verified by fruit; rare.
Amelanchier Canadensis,	Shad-bush.	Dry, open woodlands; com.
var. (?) oblongifolia,	"	Low, moist grounds; com.

---

*Dr. E. L. Sturtevant.

NOTE.—The trees commence to put forth their leaves as follows: May 1st, some cultivated willows, the horse chestnut, and larch; May 10th, red maple, black oaks, poplars, birches, beech, willows, elm, iron-wood, (Carpinus,) and wild black cherry (P. serotina); May 18th, buttonwood, ash, tupelo, and bald cypress (Taxodium); May 25th, Catalpa, Kentucky coffee-tree, and honey-locust.

From May 1st to 10th.

Rosaceæ.

Prunus Cerasus,	Cultivated cherry.	Roadsides; escaped.
*domestica,	Cultivated plum.	" "
Cerasus avium, alba plena,	Double flower'g cherry.	Cultivated in gardens.
Prunus Pissardii,	Crimson-leaf prune.	" "
Pyrus Japonica.	Japan quince.	Gardens.

Ranunculaceæ.

Coptis trifolia,	Goldthread.	Boggy woods, near hemlocks and cedars; b. 1 mo.
Anemonella thalictroides,	Rue-Anemone.	Woods, *rare*.
Actæa alba,	White baneberry.	Woods near Smith Mills; time of flowering not noted.

Liliaceæ.

†Erythronium Americanum,	Dog's-tooth violet.	Rare.

Scrophulariaceæ.

Veronica serpyllifolia,	Thyme-leaved speedwell.	Fields and lawns.
peregrina,	Purslane speedwell.	Garden weed.
arvensis,	Corn speedwell.	Cultivated grounds.

Ericaceæ.

Vaccinium Pennsylvanicum,	Dwarf blueberry.	Dry hills and pastures; com.
Andromeda floribunda,	Andromeda.	Gardens.

Saxifragaceæ.

Ribes rubrum,	Red currant.	Escaped from gardens.
var. subglandulosum,	Wild red currant.	Cold, wet woods; rare.
oxyacanthoides,	Common gooseberry.	Roadsides, pastures, &c.
floridum,	Wild black currant.	Gardens; rarely escaped.
aureum,	Missouri currant.	Gardens.

Plantaginaceæ.

Plantago lanceolata,	Ripplegrass.	Very common.

Araliaceæ.

Aralia trifolia,	Dwarf ginseng.	With anemone and Viola blanda.

Cyperaceæ.

‡Carex folliculata,	Sedge.
intumescens,	"
utriculata,	"

---

*On the Cove road, east of Bliss' Corner, there are about twenty small plum trees beautiful in flower, which probably originated by suckers from cultivated trees.

†This plant was once abundant in a grove near the Wamsutta Mills, but it has been completely eradicated.

‡The Carices are found for the most part in marshes, bogs, swales and low grounds, and flower during the month of May and the early part of June, but mature specimens needed to identify the species can be found all through the season till October.

From May 1st to 10th.

Cyperaceæ.

Carex bullata,	Sedge.	
lurida,	"	
hystricina,	"	
Pseudo-Cyperus,		
var. Americana,	"	
vestita,	"	Sandy soil.
filiformis,	"	
*var. latifolia,	"	
vulgaris,	"	Low meadows.
stricta,	"	
crinita,	"	
virescens,	"	
*arctata,	"	
debilis var. Rudgei,	"	
gracillima,	"	
flava, var. viridula,	"	
pallescens,	"	
conoidea,	"	
laxiflora,	"	
var. varians,	"	
*tetanica,	"	
aurea,	"	
communis,	"	Dry hill-sides.
polytrichoides,	"	
stipata,	"	
vulpinoidea,	"	
rosea,	"	
Muhlenbergii,	"	Sterile soils.
*cephalophora,	"	"
echinata var. cephalantha,	"	
do. var. microstachys,	"	
canescens,	"	
var. vulgaris,	"	
trisperma,	"	
tribuloides,	"	
*silicea,	"	
straminea,	"	
do. var. fœnea,	"	
do. var. aperta,	"	
Eleocharis tenuis,	Spike-rush.	Bogs, marshes, &c.
palustris,	"	" "

*In herb. Dr. E. L. Sturtevant, and determined by Prof. L. H. Bailey.

From May 1st to 10th.

Juncaceæ.

Luzula campestris,	Wood-rush.	Common in dry soil.

Gramineæ.

Anthoxanthum odoratum.	Sweet-scented ver. grass.	Meadows, &c.; common.

Salicaceæ.

Salix lucida,	Shining willow.	Along streams.
fragilis,	Crack willow.	Davis Farm, Allen street.
alba,	White willow.	A large tree; common about dwellings.
rostrata,	Beaked willow.	Common.
humilis,	Prairie willow.	Dry pastures, &c.; common.
tristris,	Dwarf gray willow.	" "
sericea,	Silky willow.	Common.
*petiolaris,	Petioled willow.	Along streams, &c.
purpurea,	Purple willow.	Lawns.
vitelina Britzensis,	Crimson bark willow.	Rural Cemetery.
nigra,	Black willow.	Lawns.
Babylonica,	Weeping willow.	Planted for ornament.
var. pendula,	Kilmarnock weep. wil.	Lawns; for ornament.

Cruciferæ.

Lunaria rediviva,	Honesty.	Escaped about gardens.

Rubiaceæ.

Houstonia cærulia,	Bluets.—Innocence.	Old fields; frequent.

Betulaceæ.

Betula lenta,	Cherry birch.	Woods; common.
lutea,	Yellow birch.	" "
populifolia,	White birch.	Dry woods; common.
papyrifera,	Canoe birch.	Norton; a single tree.

Cupuliferæ.

Ostrya Virginica,	Hop-Hornbeam.	Moist woods; common.
Carpinus Caroliniana,	Iron-wood.	Along streams; common.

Sapindaceæ.

Acer campestre,	English maple.	Lawns, May 10th.
pseudo-platanus,	Sycamore maple.	Streets and lawns, May 10th.
platanoides,	Norway maple.	" " "
Japonicum,	Japanese maple.	Lawns, May 10th.
polymorphum,	" "	Lawns.

---

* Dr. E. L. Sturtevant.

From May 1st to 10th.

Magnoliaceæ.

Magnolia conspicua,	White magnolia.	Lawns.	
purpurea,	Purple magnolia.	"	
Soulangeana,	Soulanges magnolia.	"	
tripetala,		"	
stellata,		"	
speciosa,		"	

Berberidaceæ.

Mahonia aquifolium.	Holly-leaved mahonia.	Gardens.	

Coniferæ.

Picea nigra,	Black spruce.	Cultivated.	Not native.
alba,	White spruce.	"	"
excelsa,	Norway spruce.	"	"
pungens,	Colorado blue spruce.	"	"
Abies balsamea,	Balsam fir.	"	"
Nordmanniana,	Nordmann's fir.	"	"
Douglasii,	Douglas' "	"	"
Larix Americana,	Am. larch.	"	"

Rutaceæ.

Xanthoxylum Americanum,	Prickly ash.	Cultivated.	Not native.

From May 10th to 20th.

Ranunculaceæ.

Aquilegia Canadensis,	Wild columbine.	About rocks and ledges.
vulgaris,	Garden columbine.	Rarely escaped from gardens.
Ranunculus abortivus,	Small-flower'd crowfoot.	Woods along streams; freq't.
recurvatus,	Hooked crowfoot.	Wet woods; frequent.
bulbosus,	Bulbous buttercup.	Fields; common.
acris,	Tall buttercup.	" " b. till Sept.
septentrionalis,		Low, wet grnd's; b. till Oct.

Scrophulariaceæ.

Castilleia coccinea,	Scarlet painted-cup.	Fairhaven, s. of R. R.; scarce.
Pedicularis Canadensis,	Wood betony.	Pastures and fields; com'n.

Liliaceæ.

Oakesia sessilifolia,	Uvularia s. L.	Damp woods; common.

Gramineæ.

Hierochloe borealis,	Holy grass.	Marshes, near shore.
Bromus tectorum,	Brome grass.	Weed about the streets.
Alopecurus geniculatus,	Floating foxtail grass.	Wet meadows; frequent.

From May 10th to 20th.

Caryophyllaceæ.

Buda rubra,	Sand spurrey.	Dry, sandy soil; till Oct.
marina,	Seaside spurrey.	Wet, sandy soil, near sea-shore; till Oct.
*var. (?) minor,	Minor spurrey.	Wet, sandy soil.
†Cerastium viscosum,	Mouse-ear chickweed.	Grassy places.
†vulgatum,	Larger mouse-ear do.	Fields, everywhere.
arvense,	Field chickweed.	Cul. in gardens and escaped.
Sagina procumbeus,	Pearlwort.	Springy or moist places.
Spergula arvensis,	Corn spurrey.	Cultivated fields.

Papaveraceæ.

Chelidonium majus.	Celandine.	Commonly near dwellings.

Malvaceæ.

Malva rotundifolia,	Common mallow.	" " b. till Nov.

Polemoniaceæ.

Phlox subulata,	Ground pink.	Rarely escaped from gardens.

Cruciferæ.

Cardamine hirsuta,	Bitter cress.	Brooks and marshy places.
var. parviflora,	" "	Dry soil.
Arabis perfoliata,	Tower mustard.	Palmer's Island; rare.
Raphanus Raphanistrum,	Wild radish.	Weed in fields, waste places.
sativus,	Garden radish.	Occasionally in neg. grounds.
Nasturtium Armoracia,	Horseradish.	Escaped from cultivation.
Brassica (or Sinapis) Rapa,	Common turnip.	Freq. in neglected gr'ds, &c.
alba,	White mustard.	" " "
nigra,	Black mustard.	" " "
oleracea,	Cabbage.	" " "
Sinapistrum,	English charlock.	" " "
campestris,	Rutabaga.	" " "
Barbarea vulgaris,	Winter cress.	Low grounds, roadsides, &c.
Alyssum maritimum,	Sweet alyssum.	Gardens, and occa. spontan's.
*calycinum,	Field alyssum.	Lawn at Nonquitt.

Ericaceæ.

Rhododendron Rhodora,	Rhodora.	Swampy ground, Acushnet.

Rosaceæ.

Persica vulgaris,	Common peach.	Often by roadsides, &c.
Pyrus Malus.	Common apple.	" " "

---

* Dr. E. L. Sturtevant. † See note, page 9.

From May 10th to 20th.

Rosaceæ.

Amygdalus, (Syn. *Prunus*,)		
Sinensis rosea,	Flowering almond.	Gardens.
Spiræa Thunbergii,	Thunberg's spiræa.	Gardens.
var. Flore pleno,	Bridal wreath.	"
Kerria Japonica,	Corchorus.	" b. till Nov.
Pyrus Malus Parkmanii,	Japanese crab.	Lawns.

Cultivated varieties of the pear, apple, peach, plum, and 20th the quince.

Rhamnaceæ.

Rhamnus alnifolia,	Swamp buckthorn.	Swamps; infrequent.

Illecebraceæ.

Scleranthus annuus,	Knawel.	A weed in gravelly places.

Euphorbiaceæ.

Euphorbia Cyparissias,	Garden spurge.	Com.; escaped from gardens.

Oleaceæ.

*Fraxinus Americana,	White ash.	Rich, moist woods; common.
viridis,	Green ash.	Along streams or in swamps.

Araceæ.

Arisæma triphyllum,	Indian turnip.	Wet woods; common.

Lauraceæ.

Sassafras officinale,	Sassafras.	Rich woods; common.

Amentaceæ.

Salisburia Adiantifolia,	Maiden-hair tree.	Lawns.

Thymelæaceæ.

Daphne Cneorum,	Daphne.	Gardens.

From May 20th to June 1st.

Ericaceæ.

†Gaylussacia resinosa,	Black huckleberry.	Common in dry soil.
Vaccinium vacillans,	Low blueberry.	" "
corymbosum,	Swamp blueberry.	Com. in swamps and low grds.
var. atrococcum,	" "	" " "

*G. B Emerson, in his "Trees and Shrubs of Mass.," states that "an ash-leaf rubbed upon the swellings caused by mosquitoes removes the itching and soreness immediately."

† A white variety of this species is occasionally brought from the neighboring towns for sale, but in small quantities. A small tract of land in Berkley about fifty feet square has borne an annual crop of perhaps a quart of white huckleberries for forty years or more. A few bushes bearing the ordinary black huckl berry are interspersed with those bearing the white variety. The white variety has also been found in East Fairhaven.

From May 20th to June 1st.

Ericaceæ.

*Leucothoe racemosa,	Leucothoe.	Wet or moist thickets.
Rhododendron nudiflorum.	Purple azalea.	Woods, North Dartmouth.
calendulaceum,	Flame-colored azalea.	Gardens.
mollis,		"
Ghent,		"
arborescens,	Smooth azalea.	"
maximum,	Rhododendron.	"
Catawbiense and a dozen or more hybrids,		"
Azalea Amoena,	Chinese azalea.	Lawns.

Amaryllidaceæ.

Hypoxis erecta,	Star grass.	Common; b. till Sept.

Rosaceæ.

Prunus maritima,	Beach plum.	Near seashore; common.
Pyrus arbutifolia,	Reddish-fruited choke-berry.	Common; low, moist ground.
var. melanocarpa,	Black-fruited do.	Common.
Americana,	Am. mountain ash.	Lawns.
aucuparia,	European mountain ash.	"
var. quercifolia,	Oak-leaved ash.	"
Cratægus coccinea,	White thorn.	Pastures and thickets; com.
Crus-galli,	Cockspur thorn.	" " infreq't.
Oxyacantha,	English Hawthorn.	Lawns, and also spontaneous.

Saxifragaceæ.

Tiarella cordifolia,	False mitre-wort.	See Preface.

Leguminosæ.

Lupinus perennis,	Lupine.	Var. b. and w.; sandy fields.
Medicago lupulina,	Black medick.	Waste places.

Primulaceæ.

Trientalis Americana,	Star-flower.	Moist woods; common.

Geraniaceæ.

Geranium maculatum,	Wild crane's-bill.	Open woods; common.
Carolinianum,	Carolina crane's-bill.	Not common.

---

*The slender racemes of reddish purple flower buds of L. racemosa are formed, as are those of Cassandra, the previous season, and as early as November, after the leaves have fallen, they are readily recognized, together with the brown berry-shaped pods still containing some seeds, while often a few inches below may be seen the still drier, weather-beaten and empty gray capsules of the year before. Thus representatives of three seasons are visible on the same spray.

From May 20th to June 1st.

Compositæ.

Erigeron bellidifolius,	Robin's plantain.	Fields.
Senecio aureus,	Golden ragwort.	Low, wet grounds.
Krigia Virginica,	Dwarf dandelion.	Ledges and dry soil.
var. dichotoma,		A month later.

Caryophyllaceæ.

Silene antirrhina,	Sleepy catchfly.	Sandy waste places.
Arenaria serpyllifolia,	Thyme-leaved sandwort.	" "
lateriflora,		Sandy soil, near shore.
peploides,	Seashore sandwort	Sands of the seashore.
Lychnis diurna,	Red lychins.	Rather com. garden escape.

Polygonaceæ.

Rumex acetosella,	Field sorrel.	Everywhere in fields, &c.
Rheum Rhaponticum,	Pie rhubarb.	Cultivated.

Orobanchaceæ.

Aphyllon uniflorum,	One-flowr'd cancer-root.	Damp woodlands.

Orchidaceæ.

Cypripedium acaule,	Lady's slipper.	Dry woods; common.
Listera cordata,	Twayblade.	Cold, damp woods.
*convallaroides,	"	" "
Corallorhiza innata,	Coral-root.	" "
*odontorhiza,	"	" "
Arethusa bulbosa,	Arethusa.	Boggy places; common.
Pogonia verticillata,	Pogonia.	Cold, damp woods.
Microstylis monophyllos,	Adder's-mouth.	" "
†Liparis liliifolia,	Twayblade.	" "
Lœselii,	"	Bogs.

Borraginaceæ.

Myosotis verna,	Scorpion grass.	Dry, sandy ground.

Ranunculaceæ.

Thalictrum dioicum.	Early meadow-rue.	Rocky woods, &c.

Cornaceæ.

Cornus florida,	Flowering dogwood.	Rich woods; b. two weeks.
var. rubra,	Red flowering dogwood.	Lawns.

Berberidaceæ.

Berberis vulgaris,	Barberry.	Naturalized.
Podophyllum peltatum,	Mandrake.	Gardens.

*H. Willey. †T. A. Greene.

From May 20th to June 1st.

Cupuliferæ.

Quercus alba,	White oak.	Common.
bicolor,	Swamp white oak.	Swamps; common.
ilicifolia,	Scrub oak.	Sandy soil; common.
Muhlenbergii?	Yellow chestnut oak.	Rare.
prinoides,	Low chestnut oak.	Nonquitt, &c.; frequent.
stellata,	Post oak.	Cottage City.
palustris,	Pin oak.	Low, wet grounds.
coccinea,	Scarlet oak.	Common.
var. tinctoria,	Yellow-barked oak.	"
robur,	English oak.	Lawns.
Fagus ferruginea,	American beech.	Woods; rather common.
purpurea,	Purple-leaved beech.	Lawns.

Platanaceæ.

Platanus occidentalis,	Buttonwood.	Smith Mills, &c., also in city.

Coniferæ.

Pinus Strobus,	White pine.	Common.
rigida,	Pitch pine.	"
Austriaca,	Austrian pine.	Lawns.
resinosa,	Red pine.	"
Cembra,		"
nugho,		"
sylvestre,	Scotch pine.	"
Tsuga Canadensis,	Hemlock.	Swampy or wet woods; com.

Juglandaceæ.

Juglans cinerea,	Butternut.	Near dwellings; not native.
nigra,	Black walnut.	Lawns.
Carya tomentosa,	Mocker-nut.	Dry hills and uplands.
porcina,	Pig-nut.	" " "
alba,	Shag-bark hickory.	Lakeville, near Myricks, &c.

Aquifoliaceæ.

Nemopanthes fascicularis,	Mountain holly.	Wet woods; common.

Liliaceæ.

Maianthemum Canadense,	False Solomon's seal.	Moist woods; common.
Smilacina stellata,	" "	Common on Marsh Island, &c.; b. two weeks.
Polygonatum biflorum,	Smaller Solomon's seal.	Woodlands.
Ornithogalum umbellatum,	Star-of-Bethlehem.	Escaped about gardens,
Convallaria majalis,	Lily of the valley.	" "

From May 20th to June 1st.

Liliaceæ.

Asparagus officinalis,	Garden asparagus.	Escaped to waste places.
Trillium erectum,	Erect trillium.	Planted in woods near Nonquitt. See Preface.
cernuum.	Nodding trillium.	Cold, damp woods, Dartm'h.
erythrocarpum.	Painted trillium.	" " N. Dartmouth.

Filices.

Osmunda cinnamomea,	Cinnamon fern.	Low, wet grounds; common.
Claytoniana,	Flowering fern.	" " "

Myricaceæ.

Myrica cerifera,	Bayberry.	Sandy soil; common.

Nymphæaceæ.

Nuphar advena,	Yellow pond-lily.	Ponds and ditches: common.

Cruciferæ.

Sisymbrium officinale,	Hedge mustard.	Common weed; b. till Nov.
Lepidium Virginicum,	Wild peppergrass.	" " "
ruderale.	" "	Less common.
*campestre,	Field "	Old fields; infrequent.

Solanaceæ.

Lycium vulgare,	Matrimony vine.	Gardens and escap.; b. t. Oct.

Fumariaceæ.

Corydalis glauca,	Pale corydalis.	Rocky places; not common.

Sapindaceæ.

Æsculus Hippocastanum,	Horse-chestnut.	Planted in lawns.
Pavia,	Red buckeye.	" "
flava var. purpurascens,	Sweet buckeye.	" "

Oleaceæ.

Syringa vulgaris,	Common lilac.	Vars. white and violet; gard.
Persica,	Persian lilac.	Gardens.

Styracaceæ.

Halesia tetraptera,	Snow-drop tree.	Gardens.

Caprifoliaceæ.

Lonicera Tartarica,	Tartarian honeysuckle.	Gardens.
ciliata,	Fly "	"
Xylosteum,	" "	"
Japonica var. Halli,	Japanese "	"
reticulata aurea,	Honeysuckle.	"

* Dr. E. L. Sturtevant.

From May 20th to June 1st.

Magnoliaceæ.

Magnolia umbrella,	Umbrella tree.	Gardens.
acuminata,	Cucumber tree.	"

Platanaceæ.

Platanus orientalis,	Oriental plane-tree.	Lawns.

Calycanthaceæ.

Calycanthus floridas,	Carolina allspice.	Gardens.
lævigatus,	" "	"

Leguminosæ.

Wistaria frutescens,	Common wistaria.	Gardens.
sinensis,	Chinese blue wistaria.	"
Cytisus Laburnum,	Laburnum.	"
*scoparius,	Scotch broom.	Escaped. See Preface.
Cercis Canadensis,	Red bud.	Lawns.

Rosaceæ.

Spiræa, ' ?		Gardens.
Exochorda grandiflora,		"

Lardizabaleæ.

Akebia quinata,	Japanese climber.	Gardens.

Schrophulariaceæ.

Paulownia imperialis,	Paulownia.	Lawns; time of fl. not noted.

Berberidaceæ.

Berberis Thunbergii,	Thunberg's barberry.	Gardens, &c.
purpurea,	Purple-leaved barberry.	"

From June 1st to 10th.

Ranunculaceæ.

Ranunculus sceleratus,	Cursed crowfoot.	Ditches, &c.: frequent.

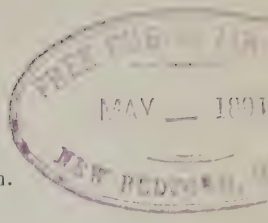
Leguminosæ.

Trifolium pratense,	Red clover.	Common; b. till Nov.
repens,	White clover.	" "
procumbens,	Low hop-clover.	" "
var. minus,	" "	
hybridum,	Alsike clover.	Less common.
incarnatum,	French clover.	Garden at Nonquitt.
Lathyrus maritimus,	Beach pea.	Sea beaches; b. till Sept.

---

*Planted on rocks near Head of the River, and also in several places at Nonquitt.

From June 1st to 10th.



Rosaceæ.

Rubus occidentalis,	Black raspberry.	Common.
villosus,	High blackberry.	"
var. humifusus,	" "	"
Canadensis,	Low "	"
Potentilla Anserina,	Silver-weed.	River banks, &c., Dartmouth and Wareham.

Rubiaceæ.

Galium Aparine,	Goose-grass.	Wet, shaded places; com'n.

Compositæ.

Chrysanthemum Leucanthemum,	White-weed.	Common.
Parthenium,	Feverfew.	Rarely escap. about gardens.
Cnicus horridulus,	Yellow thistle.	Pastures, &c.; common.
Hieracium venosum,	Rattlesnake-weed.	Dry fields; common.
aurantiacum,	Orange fl'rd hawkweed.	Meadows; recently introdu'd.

Borraginaceæ.

Asperugo procumbens,	A prickly weed.	Waste grounds; rare.

Umbelliferæ.

Heracleum lanatum,	Cow parsnip.	Marsh, and Palmer's Island.
Carum Carui,	Caraway.	Near dwellings and roadsides.
Zizia aurea,	Zizia.	Meadows; infrequent.
Osmorrhiza longistylis,	Sweet Cicely.	Near dwellings; frequent.

Onagraceæ.

Oenothera pumila,	Evening primrose.	Fields; common.

Rhamnaceæ.

Rhamnus cathartica,	Buckthorn.	Occasionally spontaneous.

Iridaceæ.

Sisyrinchium angustifolium,	Blue-eyed grass.	Moist meadows; common.
anceps,	" "	Sandy places; "
Iris versicolor,	Larger blue flag.	Wet places; "
prismatica,	Slender " "	" " "

Araceæ.

Acorus Calámus,	Sweet flag.	Ponds and low gr'ds; freq.

Naiadaceæ.

Triglochin maritima,	Arrow-grass.	Salt marshes; common.

Sarraceniaceæ.

Sarracenia purpurea,	Side-saddle flower.	Boggy places; frequent.

Santalaceæ.

Comandra umbellata,	Bastard toad-flax.	Dry ground; rather common.

From June 1st to 10th.

Araliaceæ.

Aralia nudicaulis,	Sarsaparilla.	Moist woodlands; common.

Liliaceæ.

Smilax rotundifolia,	Greenbrier.	Moist woods and thick.; com.
glauca,	"	Dry woods; common.
Smilacina racemosa,	False spikenard.	Borders of woods; "
Allium Canadense,	Wild garlic.	Moist meadows.
vineale,	Field "	" "
Schœnoprasum,	Chives.	Gardens.

Scrophulariaceæ.

Linaria Canadensis,	Toad flax.	Sandy soil; till Oct.
Melampyrum Americanum,	Cow wheat.	Open woods; common.
*Pentstemon pubescens,	Beard-tongue.	Dry ground; rare.
Veronica officinalis,	Common speedwell.	Open woods; not common.
*Anagallis,	Water "	Brooks and ditches; time of flowering not noted.

Geraniaceæ.

†Oxalis corniculata,	Yellow wood-sorrel.	Rare.
var. stricta,	" "	Common till last of Oct.

Cistaceæ.

Hudsonia ericoides,	Hudsonia (Wareham.)	Sandy soil near shore.
tomentosa,	" (Nonquitt.)	" "
Helianthemum Canadense,	Frost weed.	Dry fields.

Marchantiaceæ.

Marchantia polymorpha,	Liverwort.	Moist ground; common.

Cruciferæ.

Thlaspi arvense,	Pennycress.	Waste places; rare.
Hesperis matronalis,	Dame's violet.	Rarely escaped about gard's.
†Camelina sativa,	False flax.	Weed; rare.
‡Nasturtium officinale,	Water cress.	Brooks and ditches.
palustre,	Marsh cress.	Wet places till Aug. 15.
‡sylvestre,	Yellow cress.	" " "

Cyperaceæ.

Scirpus planifolius,	Club rush.	Dry or moist ground.
Eleocharis ovata,	Spike rush.	Wet places.
tuberculosa,	" "	" "
pauciflora,	" "	" "

---

* Mrs. Elizabeth R. Jenney. † Dr. E. L. Sturtevant. ‡ H. Willey.

From June 1st to 10th.

Gramineæ.

Poa pratensis,	Meadow grass.	Common.
Puccinellia maritima,	Sea spear-grass.	Salt marshes; common.
distans,	" "	" "
Secale cereale.	Common rye.	Waste places; occasional.

Aristolochiaceæ.

Aristolochia sipho,	Dutchman's pipe.	Gardens.

Cornaceæ.

Cornus paniculata,	Panicled cornel.	Gardens.
alba, var. sanguinea,	Red-stemmed cornel.	"

Caprifoliaceæ.

Viburnum Opulus,	Cranberry tree.	Gardens.
var.,	Snow-ball.	"
oxycoccus,	High bush-cranberry.	"
plicatum,	Japan snow-ball.	"
Weigelia rosea,	Weigelia.	"
var. Mon. Lemoine,	"	"

Philadelpheæ.

Deutzia gracilis,	Deutzia.	Gardens.

Rosaceæ.

Spiræa Van Houteii,	Spiræa.	Gardens.
Reevesiana,		"
——— ?		
Rosa *cinnamomea var. siberica*,		

Ranunculaceæ.

Clematis montana,	Clematis.	Gardens.

Urticaceæ.

Morus rubra,	Red mulberry.	Lawns.
alba,	White "	"

Portulaceæ.

Tamarix ?	Tamarix.	Lawns.
Pæonia Moutan,	Tree peony.	Gardens.
officinalis,	Rather later.	"

Celastraceæ.

Euonymus atropurpureus,	Burning bush.	Gardens.
radicans,	" "	"

From June 10th to 20th.

Rosaceæ.

Prunus serotina,	Wild black cherry.	Roadsides and woods; com.
*Pennsylvanica,	Wild red cherry.	Rare.
Potentilla argentea,	Silvery cinque-foil.	Dry fields, &c., till Oct.
Norvegica,	Tall "	" " "
Rubus hispidus,	Run. swamp-blackberry.	Low woods, &c.; common.
odoratus,	Purple fl'g "	Gardens.

Caprifoliaceæ.

Viburnum Lentago,	Sweet viburnum.	Moist woods; common.
cassinoides,	Withe-rod.	" "
†molle,	Downy viburnum.	Naushon.
‡Linnea borealis,	Twin flower (rare.)	Near Braley's cros. O.C.R.R.

Cornaceæ.

Cornus alternifolia,	Panicled cornel.	Woods; common.
§Canadensis,	Dwarf "	North Dartmouth; rare.

Ericaceæ.

Kalmia angustifolia,	Sheep laurel.	Pastures, &c.; common.
*forma variegata,	" "	
latifolia,	Mountain laurel.	Moist woods; common.
‖Gaylussacia dumosa,	Dwarf huckleberry.	Swamps or wet ground.
frondosa,	Dangleberry.	Moist woods; common.

Caryophyllaceæ.

Lychnis Githago,	Corn cockle.	Rare; adv.

Labiatæ.

Brunella vulgaris,	Self-heal.	Common till last of Oct.

Liliaceæ.

Medeola Virginiana,	Indian cucumber-root.	Damp woods; common.
Smilax herbacea,	Carrion flower.	Not very common.

Umbelliferæ.

Sanicula Marilandica,	Black snakeroot.	Copses and bushes.

Polygonaceæ.

Rumex verticillatus,	Swamp dock.	Swamps; b. till Oct.
crispus,	Curled "	Waste grounds; b. till Oct.
obtusifolius,	Bitter "	Fields; "
sanguineus,	Red-veined dock.	Waste grounds; "

---

*Dr. E. L. Sturtevant. †Jackson Dawson. ‡Mrs. Hannah M. Stowe. §H. Willey.

‖These berries are rather coarse and bristly and not abundant; a considerable quantity, however, picked in Dartmouth, was displayed for sale in this market a few seasons since.

From June 10th to 20th.

Filices.

Osmunda regalis,	Flowering fern.	Wet woods; common.

Araceæ.

*Peltandra undulata,	Arrow arum.	Shallow water; infrequent.
Calla palustris,	Water "	Cold bogs; "

Compositæ.

Centaurea Cyanus,	Batchelor's button.	Gardens and escaped.
Achillea millefolium,	Yarrow.	Blooms till last of Oct.

Celastraceæ.

Celastrus scandens,	Climbing bitter-sweet.	Escaped in one or two places.

Commelinaceæ.

Commelina Virginica,	Day-flower.	An occa. escape about gard's.
Tradescantia Virginica,	Spiderwort.	" " "

Gramineæ.

Festuca ovina,	Sheep's fescue.	Pastures, &c.
var. duriuscula,	" "	"
var. rubra,	" "	"
elatior,	Meadow "	"
var. pratensis,	" "	"
Deschampsia flexuosa,	Hair-grass.	Dry soil.
Danthonia spicata,	Wild oat-grass.	"
compressa,	" "	"
Holcus lanatus,	Velvet-grass.	Moist meadows.
Stipa avenacea,	Black oat-grass.	Dry woods.
Agropyrum repens,	Quitch-grass.	Common.
Glyceria Canadensis,	Rattlesnake-grass.	Wet places.
elongata,	Long-panicled glyceria.	"
nervata,	Fowl meadow-grass.	"
pallida,	Pale-flowered glyceria.	"
grandis,	Reed meadow-grass.	"
fluitans,		"
acutiflora,	Sharp-flowered glyceria.	"
Dactylis glomerata,	Orchard grass.	Fields, &c.
*Avena striata,	Wild oat.	Infrequent.
Bromus secalinus,	Cheat or chess.	Fields, &c.
mollis,	Soft chess.	"
racemosus,	Upright chess.	"

*H. Willey.

From June 10th to 20th.

Cyperaceæ.

Scirpus pungens,	Club-rush.	Borders of ponds, &c.
lacustris,	Great bulrush.	" " (July 1st.)
maritimus,	Sea club-rush.	Salt marshes.
sylvaticus,	Club-rush.	Wet places.
*subterminalis,	"	Cedar Dell pond, &c.
atrovirens,	"	Wet places.

Juncaceæ.

Juncus effusus,	Soft rush.	Wet places.
marginatus,	Rush.	"
Greenii,	"	"
tenuis,	"	Fields and roadsides.
bufonius,	"	" "
articulatus,	"	Wet grounds.
scirpoides,	"	" "
*acuminatus,	"	" "
Gerardi,	Black-grass.	Salt marshes.

Primulaceæ.

Anagallis arvensis,	Pimpernel.	Sandy places; b. t. mid. Sept.

Ranunculaceæ.

Ranunculus aquatilis,		
var. trichophyllus,	White water-crowfoot.	Streams, &c.
Cymbalaria,	Seaside crowfoot.	Wet soil, near seashore.
Clematis erecta,	Erect clematis.	Gardens.

Anacardiaceæ.

Rhus toxicodandron,	Poison ivy.	Low grounds; common.
var. radicans,	" "	" "
cotinus,	Smoke plant.	Gardens.

Leguminosæ.

Robinia Pseudacacia,	Common locust.	Naturalized; common.
viscosa,	Clammy "	Cultivated and escaped.
hispida,	Bristly "	Lawns.
Vicia sativa,	Vetch.	Waste places; frequent.
var. augustifolia,	"	" "
†tetrasperma,	"	Rare.
Colutea arborescens,	Bladder senna.	Time of flower not noted.

Magnoliaceæ.

Magnolia glauca,	Small magnolia.	Gardens.

---

*Dr. E. L. Sturtevant. †Rev J. M. Leighton.

NOTE.—Forest trees are in full foliage 15th to 20th June.

From June 10th to 20th.

Caprifoliaceæ.

Symphoricarpus racemosus,	Snowberry.	Gardens.
Lonicera sempervirens,	Trumpet-honeysuckle.	"
grata,	American woodbine.	"

Saxifragaceæ.

Philadelphus grandiflorus,	Mock orange.	Gardens.
coronarius,	" "	"

Oleaceæ.

Chionanthus Virginica,	Fringe tree.	Gardens.

Rosaceæ.

Rosa Harrisonii,	Harrison rose.	Gardens.
rugosa,		"
Astilbe Japonica,		"

From June 20th to July 1st.

Ranunculaceæ.

Thalictrum polygamum,	Meadow-rue.	Wet meadows; common.

Caryophyllaceæ.

Silene Cucubalus,	Bladder campion.	Roadsides and fields.
noctiflora,	Night-flower'g catchfly.	Cultivated grounds.

Polygalaceæ.

Polygala polygama,	Milkwort.	Dry, sandy soil; b. till last of Sept.

Leguminosæ.

Lathyrus palustris,	Marsh vetchling.	Moist soil.
var. myrtifolius,	" "	" "
odoratus,	Sweet pea.	Gardens.
Trifolium arvense,	Rabbit-foot clover.	Sandy soil; b. till Oct.; com.
agrarium,	Hop "	" " less "
Medicago sativa,	Alfalfa.	Fields; cultivated.
maculata,	Spotted medick.	Waste places; infrequent.

Rosaceæ.

Rosa Carolina,	Wild Rose.	Bor. of swamps and streams; common.
lucida,	" "	Moist places; common.
humilis,	" "	Dry soil; "
nitida,	" "	Borders of swamps.
rubiginosa,	Sweetbrier.	Gardens and roadsides.

From June 20th to July 1st.

Rosaceæ.

Rosa *Baltimore Belle*,		Gardens.
Queen of the Prairies,		"
Seven Sisters, &c.,		"

Ficoideæ.

Mollugo verticillata,	Carpet-weed.	Garden weed; b. till Oct.

Caprifoliaceæ.

Viburum dentatum,	Arrow-wood.	Moist woods; common.

Rubiaceæ.

Mitchella repens,	Partridge berry.	Moist woods; common.
Galium trifidum,	Small bedstraw.	Wet ground till Sept.; com.
circæzans,	Wild liquorice.	Woods or bushes; frequent.

Compositæ.

Sonchus oleraceus,	Sow thistle.	Waste places; rather frequ't.
asper,	Spiny-leaved do.	" " "
Coreopsis tinctoria,	Coreopsis.	An escape about gardens.

Borraginaceæ.

*Myosostis palustus,	True forget-me-not.	Rarely escaped from gardens.
laxa,	Wild "	Marsh near cove foot of Boney street; b. till Sept.
Echium vulgare,	Blue-weed.	Roadsides, &c.; infrequent.

Nymphæaceæ.

Nymphæa odorata,	White water-lily.	Ponds; com.; b. t. mid. Sept.
var. minor,	Smaller "	" " "

Ericaceæ.

Rhododendron viscosum,	W. swamp-honeysuckle.	Low grounds; common.
var. glaucum,		" "
var. nitidum,		" "

Convolvulaceæ.

Convolvulus sepium,	Hedge bindweed.	Moist soil, roadsides, &c.

Cornaceæ.

Nyssa sylvatica, 20th,	Tupelo.	Woods; common.

Solanaceæ.

Solanum dulcamara,	Bittersweet.	Near dwellings; frequent.
tuberosum,	Common potato.	Not uncom'n in waste places.
Lycopersicum esculentum,	Tomato.	" " "

---

* Perhaps blooms earlier.

From June 20th to July 1st.

Crassulaceæ.

Sedum acre,	Mossy stone-crop.	Rocky places; escaped from gardens.

Primulaceæ.

Lysimachia quadrifolia,	Loosestrife.	Low grounds; common.
stricta,	"	" "
numularia,	Moneywort.	Roadside, Bliss' Corner, Dartmouth; escaped.
Hottonia inflata,	Featherfoil.	Muddy pools and sw. places.

Campanulaceæ.

Specularia perfoliata,	Venus' looking-glass.	Sterile or gravelly ground.

Gentianaceæ.

Limnanthemum lacunosum,	Floating heart.	Ponds and streams; common.

Aquifoliaceæ.

Ilex opaca,	Holly.	Woods; common.

Orchidaceæ.

Pogonia ophioglossoides,	Pogonia.	Boggy places; common.
Calopogon pulchellus,	Calopogon.	" "
Habenaria virescens,	Greenish orchis.	Wet meadows, &c.; common.
psycodes,	Sm. pur. fringed orchis.	" " not freq't.
fimbriata,	Large " " "	" " "

Naiadaceæ.

Potamogeton hybridus,	Pondweed.	Ponds, pools, and ditches.
pusillus,	"	" "
Tuckermani,	"	" "
*Oakesianus,	"	" "
*natans,	"	" "
heterophyllus,	"	" "
fluitans,	"	" "
*Pennsylvanicus,	"	" "
*Robbinsii,	"	" "
pectinatus,	"	Island of Penekese.
Ruppia maritima,	Ditch-grass.	Shallow water and ditches.
Zostera marina,	Eel-grass.	Salt water near shore.
Zannichellia palustris,	Horned pondweed.	Stream from Turner's Mill.

Characeæ.

Chara flexis,	Chara.	Acush. Riv. near upper res.

* Dr. E, L. Sturtevant.

From June 20th to July 1st.

Urticaceæ.

Urtica gracilis,	Nettle.	Near dwellings.
urens,	"	" "

Scrophulariaceæ.

Veronica scutellata,	Marsh speedwell.	Bogs and marshes.

Gramineæ.

Panicum latifolium,	Panic-grass.	Moist thickets; common.
dichtomum, 2 or 3 forms,	"	Very common.
depauperatum,	"	Dry soil.
Trisetum palustre,	Trisetum.	Low grounds.
Phalaris arundinacea,	Reed canary-grass.	Wet grounds.
var. picta.	Wild striped "	" "
Canariensis,	Canary-grass.	Waste places; frequent.
Poa compressa,	Wire-grass.	Fields and meadows.
Agrostis alba,	White bent-grass.	" "
var. vulgaris,	Red-top.	" "
perennans,	Thin-grass.	Shaded places.
scabra,	Hair-grass.	Dry soil.
Phleum pratense,	Herds-grass.	Meadows.

Filices.

*Polypodium vulgare,	Polypody.	Rocks; common.
Adiantum pedatum,	Maidenhair.	Moist woods; rare.
Pteris aquilina,	Brake.	Very common.
Woodwardia Virginica,	Chain-fern.	Wet woods.
angustifolia,	"	" "
Asplenium Trichomanes,	Spleenwort.	Shaded, rocky places.
ebeneum,	"	" "
thelypteroides,	"	Moist woods.
Filix-fœmina,	"	" "
†Phegopteris polypodioides,	Beech fern.	" "
†hexagonoptera,	" "	" "
†Dryopteris,	" "	Rocky woods.
Aspidium Thelypteris,	Shield fern.	Wet or moist woods.
Noveboracense,	" "	" "
spinulosum,	" "	" "
var. dilatatum.	" "	" "
cristatum,	" "	" "

*This, being an evergreen, may be found throughout the entire year, usually growing from crevices of rocks; also several evergreen species of Asplenium and Aspidium may be found at any time.

† H. Willey.

From June 20th to July 1st.

Filices.

Aspidium marginale,	Shield fern.	Rocky woods.
acrostichoides,	" "	" "
*Cystopteris fragilis,	Bladder fern.	" "
Onoclea sensibilis.	Sensitive fern.	Wet woods and meadows.
Woodsia obtusa,	Woodsia.	Rocky places.
Dicksonia pilosiuscula,	Dicksonia.	Shady places.

Ophioglossaceæ.

Botrychium Virginianum.	Moonwort.	Rich woods.
*Ophioglossum vulgatum,	Adder's tongue.	Boggy places; rare.

Fumariaceæ.

Adlumia cirrhosa,	Climbing fumitory.	Escaped about gardens.

Tiliaceæ.

Tilia parvifolia,	28th,	European linden.	Lawns and streets.
Europæa,		" "	" "
Americana,		Basswood.	" "

Leguminosæ.

Gymnocladus Canadensis,	20th,	Kentucky coffee-tree.	Lawns.
Gleditschia triacanthus,	20th,	Honey-locust.	"

Styracaceæ.

Styrax Japonica,	Storax.	"

Magnoliaceæ.

Liriodendron tulipifera,	Tulip tree.	Lawns.

Philadelpheæ.

Deutzia scabra.	Deutzia.	Gardens.
crenata,	Double Deutzia.	"

Rosaceæ.

Spiræa crispifolia,	Spiræa.	Gardens.
palmata,	"	"
interrupta,	"	"

---

*H. Willey.

From July 1st to 10th.

Ranunculaceæ.

Anemone Virginiana,	Tall anemone.	Woods and meadows; infreq.

Hypericaceæ.

Hypericum perforatum,	St. John's-wort.	Fields; common.

Vitaceæ.

*Vitis Labrusca,	Northern fox-grape.	Woods, &c.; common.
cordifolia,	Frost-grape.	" "

Leguminosæ.

Melilotus alba,	White melilot.	Usually in waste places, t. Oct.
officinalis,	Yellow "	" " "
Coronilla varia,	Coronilla.	Escap. from gardens; infreq.
Tephrosia Virginiana,	Goat's rue.	Dry, sandy soil; infrequent.

Rosaceæ.

Spiræa salicifolia,	Meadow-sweet.	Common.

Umbelliferæ.

Pastinaca sativa,	Wild parsnip.	Roadsides, &c.; common.
Daucus Carota,	Wild carrot.	Fields, &c., till last of Oct.
Hydrocotyle Americana,	Marsh pennywort.	Marshes and wet grounds.
umbellata,		" " b. till Sept. 15.
†verticillata,		" " rare.
Cicuta maculata,	Water hemlock.	" " common.
bulbifera,	" "	" " less common.
Conium maculatum,	Poison hemlock.	Waste places.

Caryophyllaceæ.

Dianthus Armeria,	Deptford pink.	Fields, &c.; not common.

Caprifoliaceæ.

Sambucus Canadensis,	Elder.	Common.

Compositæ.

Artemisia maritima,	Dusty miller.	An escape established on Ram Island, Marion.
Erigeron annuus,	Daisy fleabane.	Fields, &c.; b. till Oct.
strigosus,	" "	" "
and form with minute rays,	" "	" "
Anthemis Cotula,	May-weed.	Roadsides, &c.; b. t. Nov. 20.
arvensis,	Corn chamomile.	Waste places; rare.
nobilis,	Garden "	Escaped from gardens.

---

* Fruit when ripe dark purple, light or dark amber, or sometimes quite green in color.
† T. A. Greene.

From July 1st to 10th.

Compositæ.

Rudbeckia laciniata,	Cone-flower.	Fields; rather common.
hirta,	"	" "
Cnicus arvensis.	Canada thistle.	Pastures, waste places, &c.
Cichorium intybus,	Succory.	Roadsides, &c.; becoming more common.

Asclepiadaceæ.

Asclepias Cornuti,	Common milkweed.	Common.
phytolaccoides,	Poke-milkweed.	"

Borraginaceæ.

Symphytum officinale.	Common comfrey.	Near dwel. and waste places.
Onsmodium Virginianum,	False gromwell.	Infrequent.

Scrophulariaceæ.

Verbascum Thapsus,	Common mullein.	Pastures.
Blattaria,	Moth "	Roadsides; not common.
Lychnitis,	White "	Fields; " "
Linaria vulgaris,	Butter and eggs.	Roadsides, &c.; b. t. last Oct.

Anacardiaceæ.

Rhus venenta.	Poison dogwood.	Swamps and wet grounds.

Ilicineæ.

Ilex verticillata,	Winterberry.—Bl. alder.	Low grounds; common.
lævigata,	Smooth winterberry.	" "
glabra,	Inkberry.	Moist woods.

Labiatæ.

Leonurus Cardiaca,	Motherwort.	Common about dwellings.
Marrubium vulgare,	Horehound.	Waste places; infrequent.
Nepeta Cataria,	Catnip.	Near dwellings; common.

Ericaceæ.

Pyrola rotundifolia,	Round-leaved pyrola.	Rich woods; common.
elliptica,	Shin leaf.	" "
Vaccinium macrocarpon,	Cranberry.	Com. in meadows and bogs.
Andromeda ligustrina,	Andromeda.	Wet woods, &c.; common.

Apocynaceæ.

Apocynum cannabinum,	Indian hemp.	Borders of thickets,&c.; freq.
androsæmifolium,	Spreading dogbane.	" " "

Liliaceæ.

Hemerocallis fulva,	Common day-lily.	Escap. from gar. to roadsides.

Plantaginaceæ.

Plantago major,	Common plantain.	Near dwellings till Oct.
Rugelii,	" "	" "

From July 1st to 10th.

Araliaceæ.

Aralia racemosa,	Spikenard.	Rich woodlands; common.
hispida,	Bristly sarsaparilla.	Rocky places; frequent.

Nymphæaceæ.

Brasenia peltata,	Water-shield.	Ponds, &c.; frequent.

Hæmodoraceæ.

Aletris farinosa,	Star-grass.	Bushy pastures, &c.; freq.

Onagraceæ.

Oenothera biennis,	Evening primrose.	Com. by roadsides t. mid. Oct.
Epilobium angustifolium,	Willow-herb.	Com. in low, cleared lands.
coloratum,	"	Common in wet places.
hirsutum,	"	Waste grounds about the city.
Circæa Lutetiana,	Enchanter's nightshade.	Woods; rather frequent.
alpina,	" "	" "
Ludwigia palustris,	Water purslane.	Sw'ps and mud. pools; com.
alternifolia,	Seed box.	" " "

Hydropterides.

Isœtes lacustris,	Quillwort.	Shallow, muddy ponds; com.
Engelmanni,	"	" " "

Typhaceæ.

Typha latifolia,	Cat-tail flag.	Marshes; common.
angustifolia,	" "	" "
Sparganium simplex,	Bur-reed.	Ponds, ditches, &c.; com.
var. androcladum,	"	" " "

Cyperaceæ.

Eleocharis acicularis,	Spike rush.	Muddy places; common.
pygmea,	" "	Brackish marshes; "
rostellata,	Tripping rush.	Marshes at Nonquitt; com.
Rhynchospora alba,	Beak "	Low or boggy grounds; com.
glomerata,	" "	" " "
Eriophorum Virginicum,	Cotton grass.	" " "
polystachyon,	" "	" " "
gracile,	" "	" " "

Gramineæ.

Poa serotina,	Fowl meadow-grass.	Wet marshes, &c.
trivialis,	Roughish "	" "
Brachyelytrum aristatum,	Brachyelytrum.	Rocky woods.
Calamagrostis Canadensis,	Blue joint-grass.	Wet grounds.
Hordeum vulgare,	Barley.	Occasionally spontaneous.
Triticum vulgare,	Wheat.	" "
Avena sativa,	Common oat.	" "

From July 1st to 10th.

Simarubaceæ.

Ailanthus glandulosus,	Tree of Heaven.	Shade-tree in the city.

Oleaceæ.

Ligustrum vulgare,	European privet.	Garden hedges.
ovalifolium,	California privet.	Lawns.

Caprifoliaceæ.

Sambucus aurea,	Golden elder.	Gardens.

From July 10th to 20th.

Ranunculaceæ.

Ranunculus ambigens,	Water spearwort.	Ponds and ditches; infreq't.

Cruciferæ.

Cakile Americana,	American sea-rocket.	Seashore; often in seaweed used to cover casks of oil stored on wh'ves; b. t. Nov.

Liliaceæ.

Lilium Philadelphicum.	Wild orange-red lily.	Dry or sandy ground: com.
Canadense,	Wild yellow lily.	Not common.

Rhamnaceæ.

*Ceanothus Americanus,	New Jersey tea.	Marsh Island, New Bedford; Little Isl., Dartmouth, &c.

Geraniaceæ.

Impatiens fulva,	Spotted touch-me-not.	Common near shaded brooks.

Leguminosæ.

Baptisia tinctoria,	Wild indigo.	Dry, sandy soil, till Sept.

Rosaceæ.

Geum album,	Avens.	Borders of woods, &c.
Virginianum,	"	" "

*The entire capsule of Ceanothus Am. when ripe, about the first of November or before, springs from the receptacle or disk by the simultaneous splitting of each of the three carpels; the latter diverging fly to a distance of three or four feet, and at the same time scatter their seeds. The manner in which each carpel is ruptured, though peculiar, is constantly uniform: it is cleft in the middle from base upwards for half its length, while each lobe near the outer edge is slit downward into a narrow wing or elater, and both movements are necessary to set free and discharge the polished-surface seeds. The scattered carpels have a strong resemblance to the yellowish wing-covers of a diminutive beetle.

From July 10th to 20th.

Droseraceæ.

*Drosera rotundifolia,	Sundew.	Wet pastures, &c.; common.
intermedia,		
var. Americana,	"	Salt marshes, &c.; "
filiformis,	"	Barnstable.

Umbelliferæ.

Sium circutæfolium,	Water parsnip.	Streams and marshy places.
Carsonii,	" "	" " "
Berula angustifolia,	" "	" " "

Rubiaceæ.

Galium asprellum,	Rough bedstraw.	Moist woodlands, &c.
triflorum,	Sweet-scented bedstraw.	" "
pilosum,		Dry copses.

Compositæ.

Gnaphalium uliginosum,	Low cudweed.	Low grounds; common.
Sericocarpus conyzoides,	White-topped aster.	Dry ground; "
solidagineus,	" "	" "
Cnicus lanceolatus,	Common thistle.	Pastures, &c.; common.
Lactuca Canadensis,	Wild lettuce.	Common; b. till last of Sept.
integrifolia,	" "	" " "
hirsuta,	" "	" " "
sativa,	Garden lettuce.	Gardens.
Galinsoga parviflora,	Galinsoga.	A garden weed; b. till Nov.

Lobeliace.

Lobelia spicata,	Spiked lobelia.	Moist, sandy soil.
Dortmanna,	Water "	Cedar Dell Pond, Dart., &c.

Hypericaceæ.

Hypericum maculatum,	St. John's-wort.	Low grounds; common.
mutilum,	" "	" " b. till Oct.
Canadense.	" "	" " "

---

*The Droseras are real catch-flies. If examined, especially in the morning, a number of the leaves will be found to be folded or rolled inward. These closed leaves, when opened, will be seen to contain, usually, from one to three or four minute winged insects, which the leaves have caught and will hold tightly clasped until their substance has been absorbed by the plant. In one instance the commencement of this operation was observed when a fly larger than an ordinary house fly was the prey. In this case, while the fly was resting upon the surface of the leaf, sipping the glittering drops of nectar, a single glandular bristle on each side of the leaf was gently bent over on to the back of the fly and held it down, which operation was followed, no doubt, by the pinning down with more bristles and the closing of the leaf, when the capture would be complete; but unfortunately the observer could not wait for the final result.

From July 10th to 20th.

Campanulaceæ.

Campanula aparinoides,	Marsh bellflower.	Low. wet meadows; freq't.
rapunculoides,	Bellflower.	Escaped to roadsides.

Ericaceæ.

Gaultheria procumbens,	Boxberry, checkerberry.	Common in moist woods.
Chimaphila umbellata,	Wintergreen.	Dry woods; frequent.
maculata,	Spotted do.	" "
Monotropa uniflora,	Indian pipe.	Rich woods; com.; b. t. Oct.
Hypopitys,	False beech-drops.	Oak and pine woods; less com.

Asclepiadaceæ.

Asclepias tuberosa,	Butterfly-weed.	Dry fields; frequent.
purpurascens,	Purple milkweed.	" common.
incarnata var. pulchra,	Swamp "	Swamps, &c.; "
obtusifolia,	Wavy-leaved do.	Sandy fields; frequent.

Linaceæ.

Linum Virginianum,	Wild flax.	Dry, bushy pastures; com.
striatum,	" "	Wet grounds; common.

Urticaceæ.

Cannabis sativa,	Hemp.	Waste grounds.
Humulus Lupulus,	Hop.	Occasional.

Phytolaccaceæ.

Phytolacca decandra,	Pokeweed.	Low grounds till 1st Oct.

Pontederiaceæ.

Pontederia cordata,	Pickerel weed.	Shallow ponds, &c.; com.

Scrophulariaceæ.

Gratiola aurea,	Gratiola.	Wet grd. ab. ponds, &c.; freq.
*Virginiana,	"	" " "
Ilysanthes riparia,	False pimpernel.	" " "
Schwalbea Americana,	Chaff-seed.	Smith's Neck, Dart.; rare.
Scrophularia nodosa, var. Marilandica,	Figwort.	Roadside, Dartmouth; rare.

Cornaceæ.

Cornus sericea,	Kinnikinnik.	Near ponds and low grounds.

Eriocauleæ.

Eriocaulon septangulare,	Pipewort.	Ponds; common.

---

*H. Willey.

From July 10th to 20th.

Lemnaceæ.

Lemna trisulca,	Duck's-meat.	Acush. R. near Water W.; rare.

Polygonaceæ.

Polygonum Persicaria,	Lady's thumb.	Near dwellings; com.; t. Nov.
hydropiper,		Wet grounds; " "
acre,		" " "
hydropiperoides,		" " "
aviculare,		Door yards, &c.; "
arifolium,		Low, open grds. and wds.; do.
sagittatum,		" " "
Convolvulus,		Cult. and waste grounds.
dumetorium, var. scandens,	Clim'g false buckwheat.	Moist thickets.
Fagopyrum esculentum,	True buckwheat.	Fields and waste places.

Labiatæ.

Monarda didyma,	Bee-balm.	Escaped from gardens.
fistulosa,	Wild bergamot.	Rare; a single plant.

Cupuliferæ.

Castanea sativa var. Americana,	Chestnut.	Cul.; spontaneous in Assonet.

Polemoniaceæ.

Phlox paniculata.	Phlox.	Gar. and roadsi's; naturaliz'd.
maculata,	Wild Sweet-William.	" " "

Saxifragaceæ.

Hydrangea Hortensis,	Hydrangea.	Gardens.
Japonica,	"	"

Ranunculaceæ.

Clematis vitalba,	Clematis.	Gardens.

Bignoniaceæ.

Catalpa bignonioides,	Catalpa.	Lawns.
speciosa,	"	"

Liliaceæ.

Yucca filamentosa,	Spanish bayonet.	Gardens.

Malvaceæ.

Althæa rosea,	Hollyhock.	Gardens.

Sapindaceæ.

Kœlreuteria paniculata,	Koelreuteria,	Lawns; time of fl. not noted.

From July 20th to Aug. 1st.

Caryophyllaceæ.

Stellaria longifolia,	Long-leaved stitchwort.	Moist, grassy places; rare.
Saponaria officinalis,	Bouncing Bet.	Roadsides; b. till Oct.
forma flore pleno,	" "	"

Elatinaceæ.

Elatine Americana,	Waterwort (R'nd Hills.)	Bor. of ponds and bog. places.

Vitaceæ.

Ampelopsis quinquefolia,	Virginia creeper.	Woods, stonewalls, &c.; com.
Veitchei,	Boston ivy.	Stone or brick buildings.
tricolor,	Variegated Ampelopsis.	Gardens.

Rosaceæ.

Agrimonia Eupatoria,	Agrimony.	Bor. of woods and roadsides.
Spiræa tomentosa,	Hardhack.	Common.

Haloragеæ.

Proserpinaca palustris,	Mermaid weed.	Swamps, shallow ponds, &c.
pectinacea,	" "	" " "
Myriophyllum scabratum,	Water-milfoil.	Pools in marshes, Nonquitt.
ambiguum,	"	Ponds and ditches.
var. capillaceum,	"	" "
tenellum.	"	Gosnold Pond, Cuttyhunk.

Liliaceæ.

Lilium superbum,	Turk's-cap lily.	Low meadows, &c.; common.
tigrinum,	Tiger "	Escap. fm. gard. to roadsides.

Lythraceæ.

Decodon verticillatus,	Swamp loosestrife.	Swamps and bor. of ponds.

Onagraceæ.

Epilobium lineare.	Willow-herb.	Bogs; common.

Rubiaceæ.

Cephalanthus occidentalis,	Button bush.	Bor. of ponds and br'ks; com.

Compositæ.

Cnicus pumilus,	Pasture thistle.	Dry pastures; common.
Leontodon autumnalis,	Fall dandelion.	Common; b. till Nov.
Sonchus arvensis,	Field sow-thistle.	Pope's Island; not common.
Tanacetum vulgare,	Tansy.	Roadsides, Smith's Neck, &c.;
var. crispum,	"	do. do. [b. t. Oct.

Lobeliaceæ.

Lobelia inflata,	Indian tobacco.	Fields; com.; b. t. last Sept.
cardinalis,	Cardinal-flower.	Along brooks and wet gr'ds; b. till last Sept.

From July 20th to Aug. 1st.

Solanaceæ.

Solanum nigrum,	Common nightshade.	About dw. and waste places.

Scrophulariaceæ.

Gerardia flava,	Downy false-foxglove.	Open woods; frequent.
Minulus ringens,	Monkey flower.	Wet grounds; common.

Plantaginaceæ.

Plantago decipiens,	Seaside plantain.	Salt marshes.
maritima,	" "	" "

Labiatæ.

Pycnanthemum incanum,	Basil.	Roadsides, dry pastures, &c.
muticum,	"	" " "
lanceolatum,	"	" " "
linifolium,	"	" " Nonquitt.
Lycopus Virginicus,	Bugle-weed.	Moist ground and woods.
sessilifolius,	"	" "
sinuatus,	"	Common about marshes, &c.
Stachys aspera,	Hedge-nettle.	Wet ground.
var. glabra,	"	" "
arvensis,	Woundwort.	Waste places.
Ballota nigra,	Black horehound.	" "
Scutellaria galericulata,	Skullcap.	Wet, shaded places; freq't.
lateriflora,	"	Wet, open ground; "
Teucrium Canadense,	Wood sage.	Low borders, thickets, bush's, &c.; frequent.

Cistaceæ.

Lechea major,	Pinweed.	Dry fields; common.
thymifolia,	"	" "
minor,	"	" "
var. maritima,	"	" "

Primulaceæ.

Steironema lanceolatum,	Low grounds and thickets.

Steironema Radicans

Polygalaceæ.

Polygala sanguinea,	Polygala.	Common in moist ground; b. till middle Sept.
cruciata,	"	do. do. b. t. Oct.
verticillata,	"	Dry soil; b. till middle Sept.

Verbenaceæ.

Verbena hastata,	Blue vervain.	Roadsides and waste places.
urticifolia,	White "	" " "

From July 20th to Aug. 1st.

Melastomaceæ.

Rhexia Virginica.	Meadow beauty.	Sandy swamps and wet pastures; common.

Gentianaceæ.

Sabbatia chloroides,	American centaury.	
Cedar Dell Pond, Dartmouth; wet meadows along upper waters of the Acushnet; Rochester, &c.		
Bartonia tenella,	Bartonia.	Am'g low bushes in pas., &c.

Hypericaceæ.

Elodes campanulata,	Marsh St. John's-wort.	Swamps, &c.; common.

Urticaceæ.

Bœhmeria cylindrica,	False nettle.	Shady borders of ponds, &c.

Lentibulaceæ.

*Utricularia inflata,	Bladderwort.	Pond at Myricks.
clandestina,	"	Ponds.
vulgaris,	"	"
purpurea,	"	"
resupinata,	"	Margins of ponds.
cornuta, 15th,	"	Sandy marshes and peat-bogs.

Anacardiaceæ.

Rhus typhina,	Staghorn sumac.	Roadsides and hillsides; com.
glabra,	Smooth "	Roadsides and barren soil; "

Alismaceæ.

Sagittaria variabilis,		Ponds, ditches, &c.; freq't.
var. angustifolia,		" " "
" diversifolia,		" " "
" latifolia,		
Alisma Plantago,	Water-plantain.	" " infreq't.

Orchidaceæ.

Habenaria tridentata,	Three-toothed orchis.	Wet woods; common.
ciliaris,	Yellow fringed-orchis.	Wet, sandy places; rare.
blephariglottis,	White "	Bogs and moist thickets; com.
lacera,	Ragged "	" " "
Microstylis ophioglossoides,	Adder's-mouth.	Sandy soil, Smith's Nk., Dart.

Gramineæ.

Glyceria obtusa,	Glyceria.	Bogs; common.
†Zizania aquatica,	Indian rice.	Whelden's Pond; rare.

---

*T. A. Greene. †R. C. Ingraham.

From July 20th to Aug. 1st.

Cyperaceæ.

Dulichium spathaceum,	Dulichium.	Wet borders of ponds; com.
Eriophorum cyperinum,	Cotton grass.	Swamps; common.
Cladium mariscoides,	Twig rush.	Marshes; "

Irideæ.

Gladiolus, several varieties,	Corn-flag.	Gardens.

Compositæ.

Dahlia, several varieties,	Dahlia.	Lawns.

Sapindaceæ.

Æsculus glabra,	Ohio Buckeye.	Gardens.

From August 1st to 10th.

Ranunculaceæ.

Clematis Virginiana,	Virgin's-bower.	Climbing over shrubs.

Portulacaceæ.

Portulaca oleracea,	Common purslane.	Weed in cul. grounds, &c.

Leguminosæ.

Cassia Marilandica,	Wild senna.	Not common.
Chamæcrista,	Partridge pea.	Nonquitt, &c.; common.
nictitans,	Wild sensitive-plant.	Sandy fields; "
Apios tuberosa.	Ground-nut.	Climbing over bushes; com.
Strophostyles angulosa.	Wild bean.	Sand near shore; b. t. Oct. 1.
Desmodium Canadense,	Tick trefoil.	Along F. R. R., Marsh Isl., &c.

Umbelliferæ.

Discopleura capillacea,	Mock bishop-weed.	Most com. in salt marshes.
*Ligusticum Scoticum,	Scotch lovage.	Sconticut Neck, " "
Pimpinella Anisum,	Anise.	Gar. and rar'y in waste places.

Compositæ.

Helianthus strumosus,	Wild sunflower.	Common; sandy soil.
divaricatus,	" "	" "
tuberosus.	Jerusalem artichoke.	Roadsides, &c.
annuus,	Common sunflower.	Gardens and waste grounds.
tracheliifolius,	A wild sunflower.	Recently adv.; fields.
curcumenfolius,	A garden "	Gardens.
Gnaphalium polycephalum,	Common everlasting.	Old, dry fields, till Oct.
purpureum,	Purplish cudweed.	Dry, sandy soil.

---

*R. C. Ingraham.

From August 1st to 10th.

Compositæ.

Anaphalis margaritacea,	Pearly everlasting.	Dry fields and woods.
*Erechtites hieracifolia,	Fire-weed.	Wood clearings, and in sea-weed along shores and wharves; b. till Oct.
Arctium Lappa,	Burdock.	A coarse weed; b. till Oct.
var. with wh. flowers,	"	" " "
var. minus,	"	" " "
Artemisia caudata,	Wormwood.	So. of Pad'm Bridge, Smith's
Abrotinum,		Escaped from gard. [Neck.
procera,		" "
vulgaris,	Mugwort.	Waste places and roadsides.
biennis,		On wharves; rare.
Absinthium,	Wormwood.	Escaped from gardens.
Inula Helenium,	Elecampane.	Damp pastures, &c.; infreq.
Chrysopsis falcata,	Golden aster.	Dry, sandy soil, Great Hill, Marion.
Erigeron Canadensis,	Horse-weed.	A common weed; b. till Oct.
Centaurea nigra,	Knapweed.	Bristol, R.I.; perhaps earlier.

Cucurbitaceæ.

Sicyos angulatus,	One-seeded bur-cucum'r.	Gardens and waste places.
Echinocystis lobata,	Wild balsam-apple.	" " "

Ericaceæ.

Clethea alnifolia,	Sweet pepperbush.	A very common shrub.

Solanaceæ.

Datura Stramonium,	Thorn-apple.	Waste grounds.
Tatula,	Purple do.	Near so. shore at Nonq'tt, &c.

Scrophulariaceæ.

Chelone glabra,	Snake-head.	Wet places; common.
†Limosella aquatica, var. tenuifolia,	Mudwort.	Muddy border of a pond on Penekese Island.

Asclepiadaceæ.

Asclepias verticillata,	Whorled milkweed.	Nonquitt, &c.

Hypericaceæ.

Hypericum nudicaule,	Orange-grass.	Sandy soil; common.

---

*Fire weed is used by country people as an antidote for poison by Rhus Toxicodendron and for stings of insects, by bruising the stem and leaves and applying the juice to the affected part. In one or two instances which came under the observation of the writer, the remedy proved to be efficacious.

†Also found on Smith's Neck, a little south of Dartmouth bridge, June 24, by R. C. Ingraham.

From August 1st to 10th.

Labiatæ.

Physostegia Virginiana,	False dragon-head.	Roadsides and wet grounds; b. till Oct.
Mentha piperita.	Peppermint.	Along brooks, &c.
sativa,	Whorled mint.	Waste places.
var. variegata,	" "	Escap. from a gar. to roadside.
Canadensis,	Wild "	Wet places; common.
aquatica,	Water "	Marsh, Clark's Cove, foot of Bonney street.
*viridis,	Spearmint.	Gardens; occa. spontaneous.
Hedeoma pulegioides,	American pennyroyal.	Fields and pastures.

Chenopodiaceæ.

Chenopodium album,	Pigweed.	Common weed; b. till Nov.
murale,	"	" " "
hybridum,	Maple-leaved goosefoot.	" " "
Botrys,	Jerusalem oak.	Escaped from gardens.
ambrosiodes,	Mexican tea.	Waste places; do.
var. anthelminticum,	Wormseed.	" "
Atriplex patulum,	Orache.	Seashore; common.
var. littorale,	"	" "
arenarium,	"	" "
Salicornia mucronata,	Samphire.	" "
herbacea,	"	" "
ambigua,	"	" "
Suæda linearis,	Sea blite.	" "
Salsola Kali,	Saltwort.	" "

Polygonaceæ.

†Polygonum Virginianum,	Knotweed.	Rich woods.
tenue,	"	Dry soil.
Pennsylvanicum,	"	Moist soil.
Careyi,	"	Wet places.
lapathifolium,		
var. incarnatum,	"	Nonquitt.
Muhlenbergii,	"	Pond near Westport Factory.
orientale,	Prince's feather.	Escaped from gardens.

Crassulaceæ.

Penthorum sedoides,	Ditch stone-crop.	Borders of marshes, &c.; fre.
Sedum telephium,	Live-forever.	Rocks; escap. from gardens.

Lythraceæ.

Lythrum Salicaria,	Spiked loosestrife.	Wet meadows; frequent.

---

* Spontaneous in two places in Dartmouth. † T. A. Greene.

From August 1st to 10th.

Xyridaceæ.

Xyris Caroliniana,	Yellow-eyed grass.	Swamps and wet gr'ds; com.

Euphorbiaceæ.

Euphorbia polygonifolia,	Shore spurge.	Sands of seashore, till Oct.
maculata,	Spotted "	Do., and a weed in gardens, &c., till Oct.
Peplus,	Found Sept. 1st.	A weed in gardens; b. t. Nov.

Plumbaginaceæ.

Statice Limonium, var. Caroliniana,	Marsh-rosemary.	Salt marshes; common.

Dioscoreaceæ.

Dioscorea villosa,	Wild yam-root.	Wet thickets; rare.

Orchidaceæ.

Goodyera pubescens,	Rattlesnake plantain.	Woods; frequent.
Spiranthes gracilis,	Lady's tresses.	Common in dry soil, Aug. 1.

Gramineæ.

Panicum sanguinale,	Finger-grass.	Cult. and waste grounds.
agrostoides,	Panic grass.	Wet meadows.
clandestinum,	" "	Damp thickets.
virgatum,	Tall "	Moist, sandy soil.
Crus-Galli,	Barnyard-grass.	Cult. and waste grounds.
var. hispidum,	"	" " "
*scoparium,	Panic grass.	Wet meadows, &c.
Setaria glauca,	Bristly foxtail grass.	Cult. and waste grounds.
viridis,	Green " "	" " "
Italica,	Millet.	Occa. spon. in cult. grounds.
Paspalum setaceum,	Paspalum.	Sandy fields; frequent.
Elymus Virginicus,	Wild rye.	Sandy places near the shore.
Canadensis,	"	" " "
†striatus,	"	Rocky woods, &c.
Spartina juncea,	Rush salt grass.	Salt marshes; common.
cynosuroides,	Fresh-water cord-grass.	Near ponds, marshes; com.
stricta var. glabra,	Salt marsh-grass.	Salt marshes; common.
Muhlenbergia Mexicana,	Muhlenbergia.	Low grounds.
*Asprella Hystrix,	Bottle-brush grass.	Moist woodlands.

Juncaceæ.

Juncus pelocarpus,	Rush.	Wet, sandy places.
*Canadensis,	"	
var. longicaudatus,	"	

---

*Dr. E. L. Sturtevant. †H. Willey.

From August 1st to 10th.

Lycopodiaceæ.

*Lycopodium lucidulum,	Club-moss.	Damp woods; common.
inundatum,	"	Sandy bogs; "
obscurum,		
var. dendroideum,	Tree club-moss.	Moist woods; "
clavatum,	Club-moss.	Dry woods; "
complanatum.	Ground-pine.	Rich woods; "

Selaginellaceæ.

*Selaginella rupestris,	Selaginella.	Dry rocks; common.
apus,	"	Wet, shady places; common.

Ophioglossaceæ.

Botrychium ternatum,	Moonwort.	Pastures, &c.; common.
var. obliguum,	"	
var. dissectum,	"	

Ranunculaceæ.

Clematis flamula,		Gardens.

Bignoniaceæ.

Tecoma radicans,	Trumpet-creeper.	Gardens.

Malvaceæ.

Hibiscus Syriacus,	Shrubby Althea.	Gardens.

Saxifragaceæ.

Hydrangea paniculata,		
var. grandiflora,	Hydrangea.	Gardens.

Convolvulaceæ.

Ipomœa Bona-nox and others,	Prickly moon-flower.	Gardens.
purpurea,	Morning-glory.	Escaped about dwellings.

From August 10th to 20th.

Malvaceæ.

Hibiscus Moscheutos.	Swamp rose-mallow.	Brackish marshes: frequent.
Trionum,	Bladder ketmia.	Escaped from gardens.
Malva crispa,	Curled mallow.	" "
sylvestris,	High "	" "
Abutilon Avicennæ,	Velvet leaf.	" "

*The Lycopodiums may be found at any time during the year, also S. rupestris.

From August 10th to 20th.

Anacardiaceæ.

Rhus copallina,	Dwarf sumach.	Common by roadsides, &c.

Leguminosæ.

Amphicarpæa monoica.	Hog peanut.	Com., twining over bushes.
Desmodium nudiflorum,	Tick-trefoil.	Dry woods, roadsides, &c.
rotundifolium,	"	" " "
acuminatum,	"	" " "
paniculatum,	"	" " "
rigidum,	"	" " "
Marilandicum,	"	" " "
Lespedeza procumbens,	Bush-clover.	Dry soil.
violacea,	"	"
*Stuvei,	"	"
polystachya,	"	"
capitata,	"	"
angustifolia,	"	"
reticulata,	"	"

Compositæ.

Hieracium Canadense,	Canada hawkweed.	Dry pastures, &c., till Oct.
Gronovii,	Hairy "	" " "
scabrum,	Rough "	" " "
†Prenanthes alba,	White lettuce.	Borders of woods and roadsides; b. till last Oct.
†serpentaria,	Lion's-foot.	Dry soil; freq.; b. t. last Oct.
Cnicus altissimus, var. discolor.	Tall thistle.	Fields, &c.; frequent.
Iva frutescens,	Marsh elder.	Salt marshes; common.
Ambrosia artemisiæfolia,	Roman wormwood.	Very common; b. till Nov. 1.
Pluchea camphorata,	Salt-marsh fleabane.	Salt marshes; common.
Aster umbellatus,	Aster.	Moist thickets; common.
corymbosus,	"	" "
spectabilis,	"	Sandy soil; common.
macrophyllus,	"	Bor. of woods, &c.; infreq.
Herveyi,	"	" " rare.

Named for the author, E. W. Hervey.

Eupatorium purpureum,	Trumpet-weed.	Common in low grounds.
forma, fistulosum,	"	" "
hyssopifolium,		Naushon.
teucrifolium,		Common in low grounds.

*Dr. E. L. Sturtevant.

†A farmer informed the writer that he used these plants steeped in milk as a remedy for poison from Poison Dogwood; an application of the rather adhesive preparation forming a coating, which prevented the spreading of the poison to other parts.

From August 10th to 20th.

Compositæ — *continued.*

*Eupatorium rotundifolium,	Eupatorium.	Dry soil.
perfoliatum,	Thoroughwort.	Low grounds; common.
Coreopsis trichosperma,	Tickseed sunflower.	Myricks, in a wet meadow.
Solidago juncea,	Earliest of golden-rods.	Dry ground; common.

Convolvulaceæ.

Cuscuta Gronovii.	Dodder.	On herbs and bush., wet pla's.

Solanaceæ.

Physalis viscosa,	Strawberry tomato.	Waste places; not uncom'n.
Nicandra physaloides,	Apple of Peru.	" " infrequent.

Scrophulariaceæ.

Gerardia purpurea,		
var. paupercula,	Purple gerardia.	Low grounds.
maritima,	Sea-side gerardia.	Salt marshes.
quercifolia,	Smooth false foxglove.	Dry woods.
tenuifolia,	Slender gerardia.	Dry soil.

Urticaceæ.

Pilea pumila,	Clearweed.	Moist, shady places.

Euphorbiaceæ.

Acalypha Virginica,	Three-seeded mercury.	Fields, cult. grounds, &c.

Cyperaceæ.

Cyperus strigosus,	10th,	Galingale.	Low grounds; common.
filiculmus,		"	Dry, sterile soil; "
diandrus,		"	Low grounds; "
Nuttallii,		"	Brackish marshes, &c.; com.
dentatus,		"	Sandy swamps; "
Fimbristylis autumnalis,		Fimbristylis.	Low grounds; "
capillaris,		"	Sandy fields; "

Gramineæ.

Distichlis maritima,	Spike-grass.	Salt marshes, &c.
Cinna arundinacea,	Wood reed-grass.	Moist woods.
Eragrostis pectinacea,	Eragrostis.	Dry, sandy fields.
capillaris,	"	" "
Muhlenbergia diffusa,	Nimble will.	Found in a dooryard.

Ceratophyllaceæ.

Ceratophyllum demersum,	Hornwort.	Ponds, &c.

---

*Dr. E. L. Sturtevant.

From August 10th to 20th.

Polygonaceæ.

Polygonum ramosissimum,	Tall knotgrass.	Sandy shores, Dartmouth.
erectum,	Knotgrass.	Roadsides, &c.

Ranunculaceæ.

Clematis tubulosa,	Tubular flow'd clematis.	Gardens.
Davidiana,	David's "	"

Amaryllidaceæ.

Amaryllis Halli.	Hall's amaryllis.	Gardens.

Cannæ.

Canna Indica.	Indian shot.	Gardens.

From Aug. 20th to Sept. 1st.

Orobanchaceæ.

Epiphegus Virginiana,	Beech-drops.	Under beech trees.

Labiatæ.

Trichostema dichotomum,	Blue curls.	Sandy fields; common.

Amarantaceæ.

Amarantus retroflexus,	Pigweed.	Waste and cult. grounds.
chlorostachys,	"	" "
albus,	"	" "
hypochondriacus,	Love-lies-bleeding.	Occasionally about gardens.
*Blitum,	Pigweed.	Waste grounds.

Compositæ.

Cnicus muticus.	Swamp thistle.	Swamps and wet grounds.
Xanthium strumarium.	Cocklebur.	Waste places.
Canadense,	"	Sandy sea-shores.
var. echinatum,		" "
Aster linariifolius,	Aster.	Dry soil; b. till Oct. 15.
patens,	"	" "
acuminatus,	"	Moist woods.
dumosus,	"	Dry soil.
Novi-Belgii,	"	Moist or wet grounds, t. Nov.
var. lævigatus,	"	" " "
var. litoreus,	"	" " "
Bidens frondosa,	Beggar-ticks.	Wet places; common.
connata.	Swamp beggar-ticks.	" "

*Dr. E. L. Sturtevant.

From Aug. 20th to Sept. 1st.

Compositæ — *continued.*

Bidens cernua,	Smaller bur-marigold.	Wet places; common.
chrysanthemoides,	Larger "	" "
Solidago ulmifolia,	Golden-rod.	Common; b. till Oct. 1st.
rugosa,	"	Very common; "
odora,	Sweet golden-rod.	Dry soil; "
bicolor,	White "	" "
nemoralis,		" "
lanceolata,		Roadsides, &c.; moist soil; b. till Oct. 1st.
Eupatorium aromaticum,	Eupatorium.	Clark's Point.
ageratoides,	White snake-root.	Escaped from gardens.
Mikania scandens,	Climbing hemp-weed.	Climb. bushes along streams.
Vernonia Noveboracensis,	Iron-weed.	Low, wet grounds.
Liatris scariosa,	Blazing-star.	Dry soil about rocks, Nonq't.

Gramineæ.

Phragmites communis,	Reed.	Bord. of marshes, &c., Nonquitt; and Sconticut Neck.
Andropogon furcatus,	Beard-grass.	Dry, sterile soil; common.
scoparius,	"	" " "
Virginicus,	"	" " "
Chrysopogon nutans,	Indian grass.	" " "
Panicum proliferum,	Panic-grass.	Marshes; "
capillare,	Old-witch grass.	Fields and sandy soil.
*amarum,		Sandy shores.
viscidum,		Found in a dooryard.
Calamagrostis Nuttalliana,	Reed bent-grass.	Moist ground.
Ammophila arundinacea,	Sea sand-reed.	Sandy beaches.
Muhlenbergia sobolifera,	Drop-seed grass.	Rocky woods.
†sylvatica,	" "	" "
Willdenovii,	" "	" "
glomerata,	" "	Nonquitt.
Sporobolus serotinus,	" "	Sandy, wet places.
Leersia oryzoides,	Rice cut-grass.	Low, wet places, ditches, &c.
*Virginica,	White grass.	Wet woods.

Orchidaceæ.

Spiranthes cernua,	Ladies' tresses.	Low, wet grounds; common.

Scrophulariaceæ.

Gerardia pedicularia,	Gerardia.	Dry copses; "

* H. Willey. † R. C. Ingraham.

From Aug. 20th to Sept. 1st.

Araliaceæ.

Aralia spinosa,	Hercules' club.	Lawns.

From September 1st to 15th.

Compositæ.

Aster multiflorus,	Aster.	Dry, sandy soil; b. t. Oct. 15.
vimineus,	"	Common; "
diffusus,	"	" "
Tradescanti,	"	Low grounds; "
patulus,	"	Not common; "
tenuifolius,	"	Salt marshes; "
subulatus,	"	" " "
Novæ Angliæ,	"	Moist grounds; "
undulatus,	"	Very com. in dry soil; "
cordifolius,	"	Bor. of woodlands; "
lævis,	"	" " "
*puniceus var. lævicaulis,	"	Rare; "
radula.	"	Bor. wet woods, &c.; "
Baccharis halimifolia, Sept. 10,	Sea groundsel-tree.	Near seashore. Barney's Joy.

One bush was found by roadside near Bakertown, in Dartmouth.

Solidago serotina,	Golden-rod.	Copses, &c.; b. t. 1st Oct.
var. gigantea,	"	Thickets and low gr'd; "
Canadensis,	"	Roadsides, &c.; "
tenuifolia,	"	Wet, sandy places; "
puberula,	"	Dry woods; "
neglecta,	"	Swamps; "
Elliottii,	"	Moist soil; "
speciosa,	"	Marsh Isl.and Nonq't; "
cæsia.	"	Rich woodlands; "
sempervirens,	"	Salt marshes; "

Polygonaceæ.

Polygonella articulata,	Polygonella.	Sands of the sea-shore, &c.
Polygonum maritimum,	Seaside knotweed.	" " "

Gramineæ.

Aristida dichotoma,	Triple-awned grass.	Sandy soil.
gracilis,	" "	" "
purpurascens,	" "	

*Dr. E. L. Sturtevant.

From September 1st to 15th.

Gramineæ — *continued.*

Triodia purpurea,	Sand grass.	Sand, near seashore.
Panicum filiforme,	Panic-grass.	Dry soil.
glabrum,	"	Waste places.
Sporobolus asper,	Drop-seed grass.	Dry, sandy fields.
vaginæflorus,	" "	" "

Gentianaceæ.

Gentiana crinita,	Fringed gentian.	Low grds.; Sept. 10 to Nov. 1.
Andrewsii,	Closed "	" " "

Celastraceæ.

Euonymus Seboldianus, 1st,	Japanese burning-bush.	Gardens; in flower t. Oct. 1.

Caprifoliaceæ.

Hedera Helix, 20th,	English ivy.	Com. on brick and stone bldgs.

Liliaceæ.

Colchicum autumnale, 25th,	Fall crocus.	Gardens.

Fungi.

During the month of September, and especially after rainy weather, many species of Mushrooms abound, several of which are known to be edible. The cottagers who spend the Summer at Nonquitt consider the *Agaricus compestris* a great delicacy, and collect it in considerable quantities.

October.

Hamamelideæ.

Hamamelis Virginiana,	Witch-hazel.	Damp woods; common; b. till last of Nov.

Polygonaceæ.

Polygonum amplexicaule, var. oxyphyllum,		Gardens, about Oct. 10th.

Compositæ.

Cosmos hybridus,	Cosmos.	Gardens, about Oct. 10th.
Chrysanthemums,		Gardens, about Oct. 10th.

To the cultivated plants in the foregoing list should be added the following, of recent introduction and mainly of foreign origin, whose time of flowering was not ascertained.

Ptelia trifoliata aurea.
Idesia polycarpa.
Xanthoceros Sorbifolia.
Cercidiphyllum Japonicum.
Caragana arborescens.
Hovenia dulcis.
Rhodotypus Kerrioides.
Periploca Græca.
Rhus aromatica.
Sophora Japonica.
Cotoneaster —— ?
Laurus nobilis.
Eleagnus longipes.
Maclura aurantiaca, hedges, Fairhaven.

The leaves of deciduous trees, notably of the Elm and Ash, commence to fall early in September, but rather lightly. During the month of October they put on their most brilliant autumnal tints of lemon, orange, and brown yellows, and dark red, crimson, scarlet, russet, purple, and grays. Of the yellow class are the elm, beech, chestnut, witch hazel, sugar maple, hickories, and birches, while the red maple, tupelo, oaks, American Hornbeam, the various species of Rhus, Virginian creeper, the cultivated Ampelopsis Veitchei or Boston ivy, blackberry, huckleberry, blueberries, especially Vaccinium corymbosum, &c., assume reddish tones.

The maples are generally more or less variegated with both red and yellow, making these trees especially attractive, but the prevailing hue of the sugar maple is an orange yellow, and that of the red maples a bright red or scarlet. The highest and brightest coloring of the foliage here is from the fifteenth to the twentieth of October, or about ten days later than it is in the central and western parts of this State, which fact may be due to the proximity of the sea. By the first week in November the trees are quite bare of foliage, with the exception of the oaks and beeches, and those of foreign origin, such as Ulmus campestris, Tilia parvifolia, Populus alba, Salix Babylonica, Crataegus Oxyacantha, Euonimus, Acer platanoides, Fagus sylvatica, Lonicera Japonica, &c.; these last mentioned retain their more slowly ripening leaves for a fortnight longer, while the leaves of the oaks and beeches which are sheltered from the wind, persist nearly through the Winter.

Errata.

Insert the order ***Ranunculaceæ*** above *Pœonia Moutan*, p. 27.
The time of flowering of:

Acer *saccharinum*,	p. 11.	should be	May 1.
spicatum,	"	"	June 15.
Pennsylvanicum,	"	"	June 15.
pseudo-platanus,	p. 16,	"	May 10.
Saxifraga Virginiensis,	p. 13,	"	April 20.
Phlox subulata,	p. 18,	"	May 1.

For Onsmodium, p. 37, read Onosmodium.
For Clethea, p. 47, read Clethra.

Natural Arrangement by Orders, Genera, and Species,

OF THE

PLANTS GROWING SPONTANEOUSLY.

PHÆNOGAMOUS PLANTS.

*Plants designated by a * are garden escapes, rarely met with except about gardens.*

DICOTYLEDONOUS.

Ranunculaceæ.

Clematis Virginiana, L.
Anemone Virginiana, L.
nemorosa, L.
var. quinquefolia.
Anemonella thalictroides, Spach.
Thalictrum dioicum, L.
polygamun, Muhl.
Ranunculus aquatilis L. var. trichophyllus, Gray.
Cymbalaria, Pursh.
ambigens, Watson.
abortivus, L.
sceleratus, L.
recurvatus, Poir.
septentrionalis, Poir.
bulbosus, L.
acris, L.
Caltha palustris, L.
Coptis trifolia, Salisb.
Aquilegia Canadensis, L.
vulgaris, L.
*Delphinium Ajacis, L.
Actæa alba, Bigel.

Berberidaceæ.

Berberis vulgaris, L.

Nymphæaceæ.

Brasenia peltata, Pursh.
Nymphæa odorata, Ait.
var. minor, Sims.
Nuphar advena, Ait.

Sarraceniaceæ.

Sarracenia purpurea, L.

Papaveraceæ.

Chelidonium majus, L.

Fumariaceæ.

*Adlumia cirrhosa, Raf.
Corydalis glauca, Pursh.

Cruciferæ.

Cardamine hirsuta, L.
var. parviflora.
Arabis perfoliata, Lam.
Draba verna, L.

Cruciferæ — *continued.*

Alyssum calycinum, L.
Camelina sativa, Crantz.
Nasturtium officinale, R. Br.
sylvestre, R. Br.
palustre, D C.
Armoracia, Fries.
Barbarea vulgaris, R. Br.
*Hesperis matronalis, L.
Sisymbrium officinale, Scop.
Brassica (or Sinapis) Sinapistrum, Boiss.
alba, L.
nigra, Koch.
campestris, L.
oleracea, L.
Rapa, L.
Capsella Bursa-pastoris, Moench.
Thlaspi arvense, L.
Lepidium Virginicum, L.
ruderale, L.
campestre, Br.
Cakile Americana, Nutt.
Raphanus Raphanistrum, L.
sativus, L.
*Lunaria rediviva, L.

Cistaceæ.

Helianthemum Canadense, Michx.
Hudsonia ericoides, L.
tomentosa, Nutt.
Lechea major, Michx.
thymifolia, Michx.
minor, L.
var. maritima, Gray.

Violaceæ.

Viola pedata, L.
palmata var. cucullata, Gray.
sagittata, Ait.
*odorata, L.
blanda, Willd.
primulæfolia, L.
lanceolata, L.
rotundifolia, Michx.
canina, L., var. Muhlenbergii, Gray.
*tricolor, L.
*Canadensis, L.

Caryophyllaceæ.

Dianthus Armeria, L.
Saponaria officinalis, L.
Silene cucubalus, Wibel.
antirrhina, L.
noctiflora, L.
Lychnis diurna, Sibth.
Githago, Lam.
Arenaria serpyllifolia, L.
lateriflora, L.
peploides, L.
Stellaria media, Smith.
longifolia, Muhl.
Cerastium vulgatum, L.
viscosum, L.
arvense, L.
Sagina procumbens, L.
Buda rubra, Dumort.
marina, Dumort.
var.? minor, Watson.
Spergula arvensis, L.

Portulacaceæ.

Portulaca oleracea, L.

Elatinaceæ.

Elatine Americana, Arn.

Hypericaceæ.

Hypericum perforatum, L.
maculatum, Walt.
mutilum, L.
Canadense, L.
nudicaule, Walt.
Elodes campanulata, Pursh.

Malvaceæ.

Malva rotundifolia, L.
sylvestris, L.
crispa, L.
Abutilon Avicennæ, Gaertn.
Hibiscus Moscheutos, L.
Trionum, L.

Linaceæ.

Linum Virginianum, L.
striatum, Walt.

Geraniaceæ.

Geranium maculatum, L.
Carolinianum, L.
Oxalis corniculata, L.
var. stricta, Sav.
Impatiens fulva, Nutt.

Ilicineæ.

Ilex opaca, Ait.
verticillata, Gray.
lævigata, Gray.
glabra, Gray.
Nemopanthes fascicularis, Raf.

Celastraceæ.

Celastrus scandens, L.

Rhamnaceæ.

Rhamnus alnifolia, L'Her.
cathartica, L.
Ceanothus Americanus, L.

Vitaceæ.

Vitis Labrusca, L.
cordifolia, Michx.
Ampelopsis quinquefolia, Michx.

Sapindaceæ.

Acer rubrum, L.
saccharinum? Wang.

Anacardiaceæ.

Rhus typhina, L.
glabra, L.
copallina, L.
venenata, D C.
Toxicodendron, L.
var. radicans, L.

Polygalaceæ.

Polygala polygama, Walt.
sanguinea, L.
cruciata, L.
verticillata, L.

Leguminosæ.

Baptisia tinctoria, R. Br.
*Cytisus scoparius, Link.
Lupinus perennis, L.
Trifolium arvense, L.
pratense, L.
repens, L.
hybridum, L.
agrarium, L.
procumbens, L.
Melilotus officinalis, Willd.
alba, Lam.
Medicago sativa, L.
lupulina, L.
maculata, Willd.
Tephrosia Virginiana, Pers.
Robinia Pseudacacia, L.
*Coronilla varia, L.
Desmodium nudiflorum, D C.
acuminatum, D C.
rotundifolium, D C.
paniculatum, D C.
Canadense, D C.
rigidum, D C.
Marilandicum, F. Boott.
Lespedeza procumbens, Michx.
violaceæ, Pers.
reticulata, Pers.
Stuvei, Nutt.
polystachya, Michx.
capitata, Michx.
angustifolia, Ell.
Vicia sativa, L.
var. angustifolia.
tetrasperma, L.
Lathyrus maritimus, Bigelow.
palustris, L.
var. myrtifolius, Gray.
Apios tuberosa, Moench.
Strophostyles angulosa, Ell.
Amphicarpæa monica, Nutt.
Cassia Marilandica, L.
Chamæcrista, L.
nictitans, L.

Rosaceæ.

Prunus maritima, Wang.
Pennsylvanica, L. f.
serotina, Ehrh.
Cerasus, L.
domestica, L.
Spiræa salicifolia, L.
tomentosa, L.
Rubus occidentalis, L.
villosus, Ait.
var. humifusus, T. and Gray.
Canadensis, L.
hispidus, L.
Geum album, Gmelin.
Virginianum, L.
Fragaria Virginiana, Mill.
var. Illinoensis, Gray.
vesca? L.
Potentilla Norvegica, L.
argentea, L.
Anserina, L.
Canadensis, L.
Agrimonia Eupatoria, L.
Rosa Carolina, L.
lucida, Ehrh.
humilis, Marsh.
nitida, Willd.
rubiginosa, L.
Pyrus arbutifolia, L. f.
var. melanocarpa, Hook.
Malus, L.
Cratægus Oxyacantha, L.
coccinea, L.
Crus-galli, L.
Amelanchier Canadensis.
var.? oblongifolia.
Persicus vulgaris, L.

Saxifragaceæ.

Saxifraga Virginiensis, Michx.
Chrysosplenium Americanum, Schwein.
Ribes oxyacanthoides, L.
rubrum, L. var. subglandulosum, Maxim.
*floridum, L'Her.
*rubrum, L.

Crassulaceæ.

Penthorum sedoides, L.
Sedum acre, L.
Telephium, L.

Droseraceæ.

Drosera rotundifolia, L.
intermedia, Hayne, var. Am.
filiformis, Raf.

Hamamelideæ.

Hamamelis Virginiana, L.

Haloragеæ.

Myriophyllum scabratum, Michx.
ambiguum, Nutt.
var. capillaceum, T. and Gray.
tenellum, Bigelow.
Proserpinaca palustris, L.
pectinacea, Lam.
Callitriche heterophylla, Pursh.

Melastomaceæ.

Rhexia Virginica, L.

Lythraceæ.

Lythrum Salicaria, L.
Decodon verticillatus, Ell.

Onagraceæ.

Ludwigia alternifolia, L.
palustris, Ell.
Epilobium angustifolium, L.
hirsutum, L.
lineare, Muhl.
coloratum, Muhl.
Oenothera biennis, L.
pumila, L.
Circæa Lutetiana, L.
alpina, L.

Cucurbitaceæ.

Sicyos angulatus, L.
Echinocystis lobata, Torr and Gray.

Ficoideæ.

Mollugo verticillata, L.

Umbelliferæ.

Daucus Carota, L.
Heracleum lanatum, Michx.
Pastinaca sativa, L.
Ligusticum Scoticum, L.
Sium cicutæfolium, Gmelin.
Carsonii, Durand.
Berula angustifolia, Koch.
Zizia aurea, Koch.
Carum Carui, L.
Cicuta maculata, L.
bulbifera, L.
Discopleura capillacea, D C.
Conium maculatum, L.
Osmorrhiza longistylis, D C.
Hydrocotyle umbellata, L.
verticillata, Thunb.
Americana, L.
Sanicula Marylandica, L.
*Pimpinella Anisum, W.

Araliaceæ.

Aralia racemosa, L.
hispida, Vent.
nudicaulis, L.
trifolia, Dec. and Planch.

Cornaceæ.

Cornus Canadensis, L.
florida, L.
sericea, L.
alternifolia, L.
Nyssa sylvatica, Marsh.

Caprifoliaceæ.

Sambucus Canadensis, L.
Viburnum dentatum, L.
molle, Michx.
cassinoides, L.
Lentago, L.
Linnæa borealis, Gronov.

Rubiaceæ.

Houstonia cærulea, L.
Cephalanthus occidentalis, L.
Mitchella ripens, L.
Galium Aparine, L.
Galium pilosum, Ait.
circæzans, Michx.
trifidum, L.
asprellum, Michx.
triflorum, Michx.

Compositæ.

Vernonia Noveboracensis, Willd.
Mikania scandens, L.
Eupatorium purpureum, L.
hyssopifolium, L.
teucrifolium, Willd.
rotundifolium, L.
perfoliatum, L.
ageratoides, L.
aromaticum, L.
Liatris scariosa, Willd.
Chrysopsis falcata, Ell.
Solidago cæsia, L.
bicolor, L.
sempervirens, L.
puberula, Nutt.
speciosa, Nutt.
odora, Ait.
rugosa, Mill.
ulmifolia, Muhl.
Elliottii, Torr. and Gray.
neglecta, " "
juncea, Ait.
serotina, Ait.
var. gigantea, Gray.
Canadensis, L.
nemoralis, Ait.
lanceolata, L.
tenuifolia, Pursh.
Sericocarpus conyzoides, Nees.
solidagineus, Nees.
Aster corymbosus, Ait.
macrophyllus, L.
Herveyi, Gray.
spectabilis, Ait.
radula, Ait.
Novæ-Angliæ, L.
patens, Ait.
undulatus, L.
cordifolius, L.
lævis, L.

Aster multiflorus, Ait.
dumosus, L.
vimineus, Lam.
diffusus, Ait.
Tradescanti, L.
paniculatus, Lam.
Novi-Belgii, L.
var. lævigatus, Gray.
var. litoreus, Gray.
patulus, Lam.
puniceus, L., var. lævicaulis.
umbellatus, Mill.
linariifolius, L.
acuminatus, Michx.
tenuifolius, L.
subulatus, Michx.
Erigeron Canadensis, L.
annuus, Pers.
strigosus, Muhl.
bellidifolius, Muhl.
Baccharis halimifolia, L.
Pluchea camphorata, D C.
Antennaria plantaginifolia, Hook.
Anaphalis margaritacea, Bent. and Hook.
Gnaphalium polycephalum, Michx.
uliginosum, L.
purpureum, L.
Inula Helenium, L.
Iva frutescens, L.
Ambrosia artemisiæfolia.
Xanthium strumarium, L.
Canadense, Mill.
var. echinatum, Gray.
Rudbeckia lancinata, L.
hirta, L.
Helianthus annuus, L.
divaricatus, L.
strumosus, L.
tuberosus, L.
tracheliifolius, Willd.
*Coreopsis tinctoria, Nutt.
trichosperma, Mich.
Bidens frondosa, L.
connata, Muhl.
cernua, L.
chrysanthemoides, Michx.
Galinsoga parviflora, Cav.

Anthemis Cotula, D C.
arvensis, L.
*nobilis, L.
Achillea Millefolium, L.
Chrysanthemum leucanthemum, L.
*Parthenium, Pers.
Tanacetum vulgare, L.
var. crispum.
Artemisia caudata, Michx.
vulgaris, L.
biennis, Willd.
Absinthium, L.
*Abrotinum, L.
*procera, L.
maritima, W.
Tussilago Farfara, L.
Senecio vulgaris, L.
aureus, L.
Erechtites hieracifolia, Raf.
Arctium Lappa, L.
var. minus.
Cnicus lanceolatus, Hoffm.
horridulus, Pursh.
altissimus, var. discolor, Gray.
muticus, Pursh.
pumilus, Torr.
arvensis, Hoffm.
*Centaurea Cyanus, L.
nigra, L.
Krigia Virginica, Willd.
Cichorium Intybus, L.
Leontodon autumalis, L.
Hieracium aurantiacum, L.
Canadense, Michx.
venosum, L.
scabrum, Michx.
Gronovii, L.
Prenanthes alba, L.
serpentaria, Pursh.
Taraxacum officinale, Weber.
Lactuca Canadensis, L.
integrifolia, Bigel.
hirsuta, Muhl.
sativa, W.
Sonchus oleraceus, L.
asper, Vill.
arvensis, L.

Lobeliaceæ.

Lobelia cardinalis, L.
spicata, Lam.
inflata, L.
Dortmanna, L.

Campanulaceæ.

Specularia perfoliata.
Campanula rapunculoides, L.
aparanoides, Pursh.

Ericaceæ.

Gaylussacia dumosa, Torr. and G.
frondosa, Torr. and G.
resinosa, Torr. and G.
Vaccinium Pennsylvanicum, Lam.
vacillans, Solander.
corymbosum, L.
var. atrococcum, Gray.
macrocarpon, Ait.
Chiogenes serpyllifolia, Salisb.
Arctostaphylos Uva-ursi, Spreng.
Epigæa repens, L.
Gaultheria procumbens, L.
Andromeda ligustrina, Muhl.
Leucothoë racemosa, Gray.
Cassandra calyculata, Don.
Kalmia latifolia, L.
angustifolia, L.
Rhododendron viscosum, Torr.
var. glaucum, Gray.
var. nitidum, Gray.
nudiflorum, Torr.
Rhodora, Don.
Clethra alnifolia, L.
Chimaphila umbellata, Nutt.
maculata, Pursh.
Pyrola elliptica, Nutt.
rotundifolia, L.
Monotropa uniflora, L.
Hypopitys, L.

Plumbaginaceæ.

Statice Limonium.
var. Caroliniana, Gray.

Primulaceæ.

Hottonia inflata, Ell.
Trientalis Americana, Pursh.
Steironema lanceolatum, Gray.
Steironema Radicans
Lysimachia quadrifolia, L.
stricta, Ait.
nummularia, L.
Anagallis arvensis, L.

Oleaceæ.

Fraxinus Americana, L.
viridis, Michx. f.

Apocynaceæ.

Apocynum androsæmifolium, L.
cannabinum, L.

Asclepiadaceæ.

Asclepias tuberosa, L.
purpurascens, L.
incarnata, L.
var. pulchra, Pers.
Cornuti, Decaisne.
obtusifolia, Michx.
phytolaccoides, Pursh.
verticillata, L.

Gentianaceæ.

Sabbatia chloroides, Pursh.
Gentiana crinita, Frœl.
Andrewsii, Griseb.
Bartonia tenella, Muhl.
Limnanthemum lacunosum, Grisebach.

Polemoniaceæ.

Phlox paniculata, L.
maculata, L.
*subulata, L.

Borraginaceæ.

Asperugo procumbens, L.
*Myosotis palustris, With.
laxa, Lehm.
verna, Nutt.
Onosmodium Virginianum, D C.
Symphytum officinale, L.
Echium vulgare, L.

Convolvulaceæ.

Ipomœa purpurea, Lam.
Convolvulus sepium, L.
var. repens, Gray.
Cuscuta arvensis? Beyr.
Gronovii, Willd.

Solanaceæ.

Solanum Dulcamara, L.
nigrum, L.
tuberosum, Willd.
Lycopersicum esculentum, Willd.
Physalis viscosa, L.
Nicandra physaloides, Gaert.
Lycium vulgare, Dunal.
Datura Stramonium, L.
Tatula, L.

Scrophulariaceæ.

Verbascum Thapsus, L.
Blattaria, L.
Lychnitis, L.
Linaria Canadensis, Dumont.
vulgaris, Mill.
Scrophularia nodosa,
var. Marilandica, Gray.
Chelone glabra, L.
Pentstemon pubescens, Solander.
Mimulus ringens, L.
Limosella aquatica.
var. tenuifolia, Hoffm.
Gratiola Virginiana L.
aurea, Muhl.
Ilysanthes riparia, Raf.
Veronica Anagallis, L.
scutellata, L.
officinalis, L.
serpyllifolia, L.
peregrina, L.
arvensis, L.
Gerardia pedicularia, L.
flava, L.
quercifolia, Pursh.
purpurea,
var. paupercula, Gray.
maritima, Raf.
tenuifolia, Vahl.
Castilleia coccinea, Spreng.
Schwalbea Americana, L.
Pedicularis Canadensis, L.
Melampyrum Americanum, Michx.

Orobanchaceæ.

Epiphegus Virginiana, Bart.
Aphyllon uniflorum, Gray.

Lentibulariaceæ.

Utricularia inflata, Walt.
clandestina, Nutt.
vulgaris, L.
purpurea, Walt.
resupinata, B. D. Greene.
cornuta, Michx.

Verbenaceæ.

Verbena urticæfolia, L.
hastata, L.

Labiatæ.

Trichostema dichotomum, L.
Teucrium Canadense, L.
Mentha viridis, L.
piperita, L.
aquatica, L.
sativa, L.
var. variegata.
Canadensis, L.
Lycopus Virginicus, L.
sessilifolius, Gray.
sinuatus, Ell.
Pycnanthemum lanceolatum, Pursh.
muticum, Pers.
incanum, Michx.
linifolium, Pursh.
Hedeoma pulegioides, Pers.
Monarda didyma, L.
fistulosa, L.
Nepeta Cataria, L.
Glechoma, Benth.
Scutellaria lateriflora, L.
galericulata, L.
Brunella vulgaris, L.
Physostegia Virginiana, Benth.
Marrubium vulgare, L.

Labiatæ — *continued.*

Ballota nigra, L.
Leonurus Cardiaca, L.
Lamium amplexicaule, L.
Stachys aspera, Michx.
var. glabra, Gray.
arvensis, L.

Plantaginaceæ.

Plantago major, L.
Rugelii, Decaisne.
lanceolata, L.
decipiens, Barn'd.
maritima, L.

Illecebraceæ.

Scleranthus annuus, L.

Amarantaceæ.

Amaranthus hypochondriacus, L.
retroflexus, L.
chlorostachys, Willd.
albus, L.
Blitum, L.

Chenopodiaceæ.

Chenopodium album, L.
murale, L.
hybridum, L.
Botrys, L.
ambrosioides, L.
var. anthelminticum, Gray.
Atriplex patulum, L.
var. hastatum, Gray.
var. littorale, Gray.
arenarium, Nutt.
Salicornia mucronata, Bigel.
herbacea, L.
ambigua, Michx.
Suæda linearis, Moq.
Salsola Kali, L.

Phytolaccaceæ.

Phytolacca decandra, L.

Polygonaceæ.

Rumex verticillatus, L.
crispus, L.
obtusifolius, L.
sanguineus, L.
Acetosella, L.
Polygonum maritimum, L.
aviculare, L.
erectum, L.
ramosissimum, Michx.
tenue, Michx.
lapathifolium,
var. incarnatum, Watson.
Pennsylvanicum, L.
Muhlenbergii, Watson.
Careyi, Olney.
orientale, L.
Persicaria, L.
hydropiperoides, Michx.
Hydropiper, L.
acre, H. B. K.
arifolium, L.
sagittatum, L.
Convolvulous, L.
dumetorium var. scandens, Gray.
Virginianum, L.
Fagopyrum esculentum, Moench.
Polygonella articulata, Meisn.

Lauraceæ.

Sassafras officinale, Nees.
Lindera Benzoin, Blume.

Santalaceæ.

Comandra umbellata, Nutt.

Euphorbiaceæ.

Euphorbia polygonifolia, L.
maculata, L.
Cyparissias, L.
Peplus, L.
Acalypha Virginica, L.

Urticaceæ.

Ulmus Americana, L.
fulva, Michx.
Cannabis sativa, L.

Urticaceæ — *continued.*

Humulus Lupulus, L.
Morus rubra, L.
alba, L.
Urtica gracilis, Ait.
Urens, L.
Pilea pumila, Gray.
Bœhmeria cylindrica, Willd.

Platanaceæ.

Platanus occidentalis, L.

Juglandaceæ.

Juglans cinerea, L.
nigra, L.
Carya alba, Nutt.
tomentosa, Nutt.
porcina, Nutt.

Myricaceæ.

Myrica Gale, L.
cerifera, L.
asplenifolia, Endl.

Cupuliferæ.

Betula lenta, L.
lutea, Michx. f.
populifolia, Ait.
papyrifera, Marshall.
Alnus incana, Willd.
serrulata, "
Corylus Americana, Walt.
rostrata, Ait.
Ostrya Virginica, Willd.
Carpinus Caroliniana, Walter.
Quercus alba, L.
stellata, Wang.
bicolor, Willd.
prinoides, "
coccinea, Wang.
var. tinctoria, Gray.
palustris, Du R.
Quercus ilicifolia, Wang.
Muhlenbergii? Engelm.
Castanea sativa, var. Americana.
Fagus ferruginea, Ait.

Salicaceæ.

Salix nigra, Marsh.
lucida, Muhl.
fragilis, L.
alba, L.
Babylonica, Tourn.
rostrata, Richardson.
discolor, Muhl.
humilis, Marsh.
tristis, Ait.
sericea, Marsh.
petiolaris, Smith.
Populus alba, L.
tremuloides, Michx.
grandidentata, Michx.
balsamifera, L.
var. candicans, Gray.
dilatata.

Ceratophyllaceæ.

Ceratophyllum demersum, L.

Coniferæ.

Pinus Strobus, L.
rigida, Mill.
Picea nigra, Link.
alba, Link.
excelsa.
Tsuga Canadensis, Carr.
Abies balsamea, Miller.
Larix Americana, Michx.
Taxodium distichum, Richard.
Chamæcyparis sphæroidea, Spach.
Thuya occidentalis, L.
Juniperus communis, L.
Virginiana, L.
communis var. Hibernica.

MONOCOTYLEDONOUS.

Orchidaceæ.

Microstylis monophyllos, Lindl.
ophioglossoides, Nutt.
Liparis liliifolia, Richard.
Lœselii, Richard.
Corallorhiza innata, R. Br.
odontorhiza, Nutt.
Listera cordata, R. Br.
convallarioides, Nutt.
Spiranthes cernua, Richard.
gracilis, Bigelow.
Goodyera pubescens, R. Br.
Arethusa bulbosa, L.
Calopogon pulchellus, R. Br.
Pogonia ophioglossoides, Nutt.
verticillata, Nutt.
Habenaria tridentata, Hook.
virescens, Spreng.
ciliaris, R. Br.
blephariglottis, Torr.
lacera, R. Br.
psycodes, Gray.
fimbriata, R. Br.
Cypripedium acaule, Ait.

Hæmodoraceæ.

Aletris farinosa, L.

Iridaceæ.

Iris versicolor, L.
prismatica, Pursh.
Sisyrinchium angustifolium, Mill.
anceps, Cav.

Amaryllidaceæ.

Hypoxis erecta, L.

Dioscoreaceæ.

Dioscorea villosa, L.

Liliaceæ.

Smilax herbacea, L.
rotundifolia, L.
glauca, Walt.
Allium Canadense, Kalm.
vineale, L.
Ornithogalum umbellatum, L.
Hemerocallis fulva, L.
Polygonatum biflorum, Ell.
Asparagus officinalis, L.
Smilacina racemosa, Desf.
stellata, Desf.
Maianthemum Canadense, Desf.
Oakesia sessilifolia, Watson.
Erythronium Americanum, Ker.
Lilium Philadelphicum, L.
superbum, L.
Canadense, L.
Tigrinum, Ker.
Medeola Virginiana, L.
Trillium cernuum, L.
erythrocarpum, Michx.

Pontederiaceæ.

Pontederia cordata, L.

Xyridaceæ.

Xyris Caroliniana, Walt.

Commelinaceæ.

*Commelina Virginica, L.
*Tradescantia Virginica, L.

Juncaceæ.

Juncus effusus, L.
marginatus, Rostk.
Greenii, Oakes and Tuck.
tenuis, Willd.
Gerardi, Loisel.
bufonius, L.
pelocarpus, E. Meyer.
articulatus, L.
acuminatus, Michx.
scirpoides, Lam.
Canadensis, J. Gay.
var. longicaudatus, Engel.
Luzula campestris, D C.

Typhaceæ.

Typha latifolia, L.
angustifolia, L.
Sparganium simplex, Huds.
var. androcladum, Engel.

Araceæ.

Arisæma triphyllum, Torr.
Peltandra undulata, Raf.
Calla palustris, L.
Symplocarpus fœtidus, Salisb.
Acorus Calamus, L.

Lemnaceæ.

Lemna trisulca, L.

Alismaceæ.

Alisma Plantago, L.
Sagittaria variabilis, Engel.
var. latifolia.
var. angustifolia.
var. diversifolia.

Naiadaceæ.

Triglochin maritima, L.
Potamogeton natans, L.
Oakesianus, Robbins.
Pennsylvanicus, Cham.
hybridus, Michx.
fluitans, Roth.
heterophyllus, Schreb.
pusillus, L.
Tuckermani, Robbins.
Robbinsii, Oakes.
pectinatus, L.
Ruppia maritima, L.
Zannichellia palustris, L.
Zostera marina, L.

Eriocauleæ.

Eriocaulon septangulare, With.

Cyperaceæ.

Cyperus diandrus, Torr.
Nuttallii, Torr.
filiculmis, Vahl.
dentatus, Torr.
Cyperus strigosus, L.
Dulichium spathaceum, Pers.
Eleocharis tuberculosa, R. Br.
ovata, R. Br.
olivacea, Torr.
palustris, R. Br.
rostellata, Torr.
tenuis, Schult.
acicularis, R. Br.
pygmæa, Torr.
pauciflora, Link.
Fimbristylis autumnalis, R. and Sh.
capillaris, Gray.
Scirpus planifolius, Muhl.
subterminalis, Torr.
pungens, Vahl.
lacustris, L.
maritimus, L.
sylvaticus, L.
atrovirens, Muhl.
Eriophorum cyperinum, L.
Virginicum, L.
polystachyon, L.
gracile, Koch.
Rhynchospora alba, Vahl.
glomerata, Vahl.
Cladium mariscoides, Torr.
Carex folliculata, L.
intumescens, Rudge.
utriculata, Boott.
bullata, Schk.
lurida x lupulina, Bailey.
hystricina, Muhl.
Pseudo-Cyperus var. Am., Hoek.
vestita, Willd.
filiformis, L.
var. latifolia, Boeck.
vulgaris, Fries.
stricta, Lam.
crinita, "
virescens, Muhl.
aretata, Boott.
debilis, var. Rudgei, Bailey.
gracillima, Schw.
flava, var. viridula, Bailey.
pallescens, L.
conoidea, Schk.

Cyperaceæ — *continued.*

Carex laxiflora, Lam.
var. varians, Bailey.
tetanica, Schk.
aurea, Nutt.
varia, Muhl.
Pennsylvanica, Lam.
communis, Bailey.
polytrichoides, Muhl.
stipata, Muhl.
vulpinoidea, Michx.
rosea, Schk.
Muhlenbergii, Schk.
cephalophora, Muhl.
echinata, var. cephalantha, Bailey.
canescens, L.
var. vulgaris, Bailey.
trisperma, Dewey.
tribuloides, Wahl.
silicea, Olney.
straminea, Willd.
var. aperta, Boot.
var. fœnea, Torr.

Gramineæ.

Spartina cynosuroides, Willd.
juncea, Willd.
stricta, var. glabra, Gray.
Paspalum setaceum, Michx.
Panicum filiforme, L.
glabrum, Gaudin.
sanguinale, L.
proliferum, Lam.
capillare, L.
agrostoides, Muhl.
virgatum, L.
amarum, Ell.
latifolium, L.
clandestinum, L.
scoparium, Lam.
depauperatum, Muhl.
dichotomum, L.
Crus-Galli, L.
var. hispidum.
viscidum, Ell.
Setaria glauca, Beauv.
viridis, Beauv.
Setaria Italica, Kunth.
Leersia Virginica, Willd.
oryzoides, Swartz.
Zizania aquatica, L.
Andropogon furcatus, Muhl.
scoparius, Michx.
Virginicus, L.
Chrysopogon nutans, Benth.
Phalaris Canariensis, L.
arundinacea, L.
var. picta.
Anthoxanthum odoratum, L.
Hierochloe borealis, R. and Shult.
Aristida dichotoma, Michx.
gracilis, Ell.
purpurascens, Poir.
Stipa avenacea, L.
Muhlenbergia sobolifera, Trin.
Mexicana, Trin.
sylvatica, Torr. and Gray.
Willdenovii, Trin.
glomerata, "
diffusa, Schreber.
Brachyelytrum aristatum, Beauv.
Phleum pratense, L.
Alopecurus geniculatus, L.
Sporobolus asper, Kunth.
vaginæflorus, Vasey.
serotinus, Gray.
Agrostis alba, L.
var. vulgaris, Thurb.
perennans, Tuckerm.
scabra, Willd.
Cinna arundinacea, L.
Calamagrostis Canadensis, Beav.
Nuttalliana, Steud.
Ammophila arundinacea, Host.
Holcus lanatus, L.
Deschampsia flexuosa, Trin.
Trisetum palustre, Torr.
Avena striata, Michx.
sativa, W.
Danthonia spicata, Beauv.
compressa, Aust.
Triodia purpurea, Hack.
Phragmites communis, Trin.
Eragrostis capillaris, Nees.

Gramineæ — *continued.*

Eragrostis pectinacea, Gray.
Distichlis maritima, Raf.
Dactylis glomerata, L.
Poa annua, L.
compressa, L.
serotina, Ehr.
pratensis, L.
trivialis, L.
Glyceria Canadensis, Trin.
obtusa, "
elongata, "
nervata, "
pallida, "
grandis, Watson.
fluitans, R. Br.
acutiflora, Torr.
Puccinellia maritima, Parl.
distans, Parl.
Festuca ovina, L.
var. duriuscula. Koch.
elatior, L.
var. pratensis, Gray.
Bromus secalinus, L.
mollis, L.
racemosus, L.
tectorum, L.
Agropyrum repens, Beauv.
Triticum vulgare.
Hordeum vulgare.
Elymus Virginicus, L.
Canadensis, L.
striatus, Willd.
Asprella Hystrix, Willd.

CRYPTOGAMOUS PLANTS.

Equisetaceæ.

Equisetum arvense, L.
sylvaticum, L.
limosum, L.

Filices.

Polypodium vulgare, L.
Adiantum pedatum, L.
Pteris aquilina, L.
Woodwardia Virginica, Smith.
angustifolia, Smith.
Asplenium Trichomanes, L.
ebeneum, Ait.
thelypteroides, Michx.
Filix-fœmina, Bernh.
Phegopteris polypodioides, Fée.
hexagonoptera, Fée.
Dryopteris, Fée.
Aspidium Thelypteris, Swartz.
Noveboracense, Swartz.
Aspidium spinulosum, Swartz.
var. dilatatum, Hook.
cristatum, Swartz.
marginale, "
acrostichoides, Swartz.
Cystopteris fragilis, Bernh.
Onoclea sensibilis, L.
Woodsia obtusa, Torr.
Dicksonia pilosiuscula, Willd.
Osmunda regalis, L.
Claytoniana, L.
cinnamomea, L.

Ophioglossaceæ.

Botrychium ternatum, Swartz.
var. obliquum.
var. dissectum.
Virginianum, Swartz.
Ophioglossum vulgatum, L.

Lycopodiaceæ.

Lycopodium lucidulum, Michx.
inundatum, L.
obscurum, L.
clavatum, L.
complanatum, L.

Selaginellaceæ.

Selaginella rupestris, Spring.
apus, Spring.
Isoetes lacustris, L.
Engelmanni, Braun.

BRYOPHYTES.

Musci (Mosses.)

Sphagnum cymbifolium, Dill.
compactum, Brid.
contortum, Schultz.
cyclophyllum, S. and Lesq.
acutifolium, Ehrh.
cuspidatum, "
Andræa rupestris, Turner.
Phascum crassinervium, Schwægr.
muticum, Schreb.
alternifolium, Brid.
subulatum, Schreb.
Sullivantii, Schimp.
triquetrum, Schimp.
Bruchia flexuosa, Schwægr.
Weisia viridula, Brid.
Campylostelium saxicola, Br. and Sch.
Trematodon ambiguus, Brid.
Dicranum virens, Hedw. ——,
var. Wahlenbergii, Br. Eur.
rufescens, Turner.
heteromallum, Hedw.
montanum, "
flagellare, "
interruptum, Br. and Sch.
scoparium, L.
spurium, var. compactum, Hedw.
undulatum, Turner.
Drummondii, Mull.
Ceratodon purpureus, Brid.
Leucobryum glaucum, Hampe.
minus, Hampe.
Fissidens minutulus, Sulliv.
osmundioides, Hedw.
subbasilaris, "
adiantoides, "
Trichostomum tortile, Schrad.
vaginans, Sulliv.
pallidum, Hedw.
glaucescens, Hedw.
Barbula unguiculata, Hedw.
cæspitosa, Schwægr.
papillosa, Wils.
Pottia truncata, Br. and Sch.
Tetraphis pellucida, Hedw.
Drummondia clavellata, Hook.
Orthotrichum obtusifolium, Schrad.
strangulatum, Beauv.
Canadense, Br. and Sch.
Ludwigii, Schwægr.
Hutchinsiæ, Smith.
crispulum, Hornsch.
Ptychomitrium incurvum, Schwægr.
Schistidium apocarpum, Br. and Sch.
Grimmia leucophæa, Grev.
Olneyi, Sulliv.
Pennsylvanica, Schwægr.
Racomitrium aciculare, Brid.
Hedwigia ciliata, Ehrh.
Buxbaumia aphylla, Haller.
Diphyscium foliosum, Web. and Mohr.
Atrichum undulatum, Beauv.
angustatum, "
crispum, T. P. James.
Pogonatum brevicaule, Brid.
Polytrichium commune, Linn.
formosum, Hedw.
juniperinum, Hedw.
piliferum, Schreb.
Aulacomnion heterostichum, Br. and Sch.
palustre, Schwægr.
androgynum, Schwægr.
Bryum pyriforme, Hedw.
annotinum, "
nutans, Schreb.
roseum, "
argenteum, Linn.
pseudo-triquetrum, Schwægr.
intermedium, Brid.

Musci (Mosses) — *continued.*

Bryum capillare, Hedw.
cæspiticium, L.
atropurpureum, Web. and Mohr.
Mnium affine, Bland.
hornum, Hedw.
stellare, "
cinclidioides, Hüb.
punctatum, Hedw.
cuspidatum, "
Bartramia pomiformis, Hedw.
fontana, Brid.
Funaria hygrometrica, Hedw.
Physcomitrium pyriforme, Br. and Sch.
Aphanorhegma serrata, Sulliv.
Tetraplodon australis, Sulliv. and Lesq.
Fontinalis antipyretica, L. Var.
gigantea.
Lescurii, Sulliv.
Dalecarlica Bryol, Eur.
Dichelyma capillaceum, Br. and Eur.
pallescens, " "
Leucodon julaceus, Sulliv.
Leptodon trichomitrion, Mohr.
Anomodon attenuatus, Hub.
tristis, Cesati.
Leskea rostrata, Hedw.
Thelia hirtella, (Hedw.) Sulliv.
asprella, (Schimp.) Sulliv.
Pylaisæa intricata, Br. Eur.
Homalothecium subcapillatum, Br. Eur.
Platygyrium repens, "
Cylindrothecium cladorrhizans, "
seductrix, "
Neckera pennata, Hedw.
Climacium Americanum, Brid.
Hypnum tamariscinum, Hedw.
delicatulum, L.
minutulum, Hedw.
scitum, Beauv.
paludosum, Sulliv.
squarrosum, L.
triquetrum, L.
brevirostre, Ehrh.
splendens, Hedw.
Boseii, Schwæger.
serrulatum, Hedw.
Hypnum rusciforme, Weis.
recurvans, Schwægr.
ochraceum, Turner.
cuspidatum, L.
Schreberi, Willd.
cordifolium, Hedw.
uncinatum, "
fluitans, L.
Crista-Castrensis, L.
molluscum, Hedw.
cupressiforme, L.
imponens, Hedw.
reptile, Michx.
curvifolium, Hedw.
Haldanianum, Grev.
salebrosum, Hoffm.
acuminatum, Beauv.
var. rupincolum.
rutabulum, L.
plumosum, L.
populeum, Hedw.
Novæ-Angliæ, Sulliv. and Lesq.
hispidulum, Brid.
adnatum, Hedw.
serpens, "
orthocladon, Beauv.
riparium, Hedw.
Lescurii, Sulliv.
denticulatum, L.
Muhlenbeckii, Br. Eur.
fulvum, Hook. and Wils.
elegans, Hook.

Hepaticæ.

Riccia Sullivanti, Aust.
Anthoceros lævis, L.
Notothylas valvata, Sulliv.
Marchantia polymorpha, L.
Fegatella conica, Corda.
Reboulia hemisphærica, Raddi.
Fimbriaria tenella, Nees.
Metzgeria furcata, "
Aneura palmata, "
multifida, Dumort.
Steetzia Lyellii, Lehm.
Pellia epiphylla, Nees.
Blasia pusilla, L.

Hepaticæ — *continued.*

Fossombronia pusilla, Nees.
Geocalyx graveolens, Nees.
Chiloscyphus polyanthos, Corda.
ascendens, Hook. and Wils.
Sphagnœcetis communis, Nees.
Jungermannia trichophylla, L.
setacea, Weber.
connivens, Dickson.
curvifolia, "
divaricata, Engl. Bot.
barbata, Schreber.
incisa, Schrader.
intermedia, Lindenberg.
Schraderi, Martius.
crenulata, Smith.
obtusifolia, Hook.
Scapania nemorosa, Nees.
Plagiochila asplenioides, Nees. and Mont.
Frullania Grayana, Montague.
Tamarisci, Nees.
Virginica, Lehm.
Eboracensis, Lehm.
Lejeunia minutissima, Dumort.
calcarea, Libert.
Madotheca platyphylla, Dumort.
Radula complanata, "
Ptilidium ciliare, Nees.
Trichocolea Tomentella, Nees.
Mastigobryum trilobatum, "
tridenticulatum, Lindenb.
Lepidozia reptans, Nees.
Calypogeia Trichomanis, Corda.

ALGÆ.

Characeæ.

Chara-flexilis.

FUNGI.

Agaricus campestris.
Marasmius oreades.
Boletus edulis.
Lycoperdon saccatum.
giganteum.
&c., &c.

INDEX.

Abies, 17, 68.
Abutilon, 50, 60.
Acalypha, 52, 67.
Acer, 11, 16, 58, 61.
Achillea, 29, 64.
Acorus, 25, 70.
Actæa, 14, 59.
Adiantum, 34, 72.
Adlumia, 35, 59.
Æsculus, 23, 46.
Agaricus, 56, 75.
Agrimonia, 43, 62.
Agropyrum, 29, 72.
Agrostis, 34, 71.
Ailanthus, 39.
Akebia, 24.
Aletris, 38, 69.
Algæ, 75.
Alisma, 45, 70.
Allium, 26, 69.
Alnus, 10, 68.
Alopecurus, 17, 71.
Althæa, 42.
Alyssum, 18, 60.
Amarantus, 53, 67.
Amaryllis, 53.
Ambrosia, 51, 64.
Amelanchier, 13, 62.
Ammophila, 54, 71.
Ampelopsis, 43, 61.
Amphicarpæa, 51, 61.
Amygdalus, 19.
Anagallis, 30, 65.
Anaphalis, 47, 64.
Andromeda, 14, 37, 65.
Andropogon, 54, 71.
Anemone, 12, 36, 59.
Anemonella, 14, 59.
Antennaria, 12, 64.
Anthemis, 36, 64.
Anthoxanthum, 16, 71.
Aphyllon, 21, 66.
Apios, 46, 61.
Apocynum, 37, 65.
Aquilegia, 17, 59.
Arabis, 18, 59.
Aralia, 14, 26, 38, 55, 63.
Arctium, 47, 64.
Arctostaphylos, 12, 65.
Arenaria, 21, 60.
Arethusa, 21, 69.
Arisæma, 19, 70.
Aristida, 55, 71.
Aristolochia, 27.
Artemisia, 36, 47, 64.
Asarum, 6.
Asclepias, 37, 41, 47, 65.
Asparagus, 23, 69.
Asperugo, 25, 65.
Aspidium, 34, 35, 72.
Asplenium, 34, 72.
Asprella, 49, 72.
Aster, 51, 53, 55, 63.
Astilbe, 31.
Atriplex, 48, 67.
Avena, 29, 38, 71.
Azalea, 20.

Baccharis, 55, 64.
Ballota, 44, 67.
Baptisia, 39, 61.
Barbarea, 18, 60.
Bartonia, 45, 65.
Bellis, 13.
Berberis, 21, 24, 59.
Berula, 40, 63.
Betula, 16, 68.
Bidens, 53, 54, 64.
Bœhmeria, 45, 68.
Boletus, 75.
Botrychium, 35, 50, 72.
Brachyelytrum, 38, 71.
Brasenia, 38, 59.
Brassica, 18, 60.
Bromus, 17, 29, 72.
Brunella, 28, 66.
Buda, 18, 60.
Buxus, 13.

Cakile, 39, 60.
Calamagrostis, 38, 54, 71.
Calla, 29, 70.
Callitriche, 12, 62.
Calluna, 6.
Calopogon, 33, 69.
Caltha, 12, 59.
Calycanthus, 24.
Camelina, 26, 60.
Campanula, 41, 65.
Canna, 53.
Cannabis, 41, 67.
Capsella, 12, 60.
Caragana, 57.
Cardamine, 18, 59.
Carex, 12, 14, 15, 70.
Carpinus, 16, 68.
Carum, 25, 63.
Carya, 22, 68.
Cassandra, 12, 65.
Cassia, 46, 61.
Castanea, 42, 68.
Castilleia, 17, 66.
Catalpa, 42.
Ceanothus, 39, 61.
Celastrus, 29, 61.
Centaurea, 29, 47, 64.
Cephalanthus, 43, 63.

Cerastium, 18, 60.
Cerasus, 14.
Ceratophyllum, 52, 68.
Cercidiphyllum, 57.
Cercis, 24.
Chamæcypharis, 10, 68.
Chara, 33, 75.
Chelidonium, 18, 59.
Chelone, 47, 66.
Chenopodium, 48, 67.
Chimaphila, 41, 65.
Chiogenes, 12, 65.
Chionanthus, 31.
Chrysanthemum, 25, 56, 64.
Chrysopogon, 54, 71.
Chrysopsis, 47, 63.
Chrysosplenium, 11, 62.
Cichorium, 37, 64.
Cicuta, 36, 63.
Cinna, 52, 71.
Circæa, 38, 62.
Cladium, 46, 70.
Clematis, 27, 30, 42, 46, 50, 53, 59.
Clethra, 47, 65.
Cnicus, 25, 37, 40, 43, 51, 53, 64.
Colchicum, 56.
Colutea, 30.
Comandra, 25, 67.
Commelina, 29, 69.
Conium, 36, 63.
Convallaria, 22.
Convolvulus, 32, 66.
Coptis, 14, 59.
Corallorhiza, 21, 69.
Coreopsis, 32, 52, 64.
Cornus, 11, 21, 27, 28, 41, 63.
Coronilla, 36, 61.
Corydalis, 23, 59.
Corylus, 10, 68.
Cosmos, 56.
Cotoneaster, 57.
Cratægus, 20, 62.
Crocus, 9.
Cuscuta, 52, 66.
Cyperus, 52, 70.
Cypripedium, 21, 69.
Cystopteris, 35, 72.
Cytisus, 24, 61.

Dactylis, 29, 72.
Dahlia, 46.
Danthonia, 29, 71.
Daphne, 11, 19.
Datura, 47, 66.
Daucus, 36, 63.
Decodon, 43, 62.
Delphinium, 59.
Deschampsia, 29, 71.
Desmodium, 46, 51, 61.
Deutzia, 27, 35.
Dianthus, 36, 60.
Dicksonia, 35, 72.
Dioscorea, 49, 69.
Dirca, 13.
Discopleura, 46, 63.
Distichlis, 52, 72.
Draba, 9, 59.
Drosera, 40, 62.
Dulichium, 46, 70.

Echinocystis, 47, 62.
Echium, 32, 65.
Elatine, 43, 60.
Eleagnus, 57.
Eleocharis, 15, 26, 38, 70.
Elodes, 45, 60.
Elymus, 49, 72.
Epigæa, 9, 65.
Epilobium, 38, 43, 62.
Epiphegus, 53, 66.
Equisetum, 11, 72.
Eragrostis, 52, 71.
Erechtites, 47, 64.
Erigeron, 21, 36, 47, 64.
Eriocaulon, 41, 70.
Eriophorum, 38, 46, 70.
Erythronium, 14, 69.
Euonymus, 27, 56.
Eupatorium, 51, 52, 54, 63.
Euphorbia, 19, 49, 67.
Exochorda, 24.

Fagopyrum, 42, 67.
Fagus, 22, 68.
Festuca, 29, 72.
Fimbristylis, 52, 70.
Forsythia, 13.
Fragaria, 13, 62.
Fraxinus, 19, 65.
Fungi, 75.

Galinsoga, 40, 64.
Galium, 25, 32, 40, 63.
Gaultheria, 41, 65.
Gaylussacia, 19, 28, 65.
Gentiana, 56, 65.
Geranium, 20, 61.
Gerardia, 44, 52, 54, 66.
Geum, 39, 62.
Gladiolus, 46.
Gleditschia, 35.
Glyceria, 29, 45, 72.
Gnaphalium, 40, 46, 64.
Goodyera, 49, 69.
Gratiola, 41, 66.
Gymnocladus, 35.

Habenaria, 33, 45, 69.
Halesia, 23.
Hamamelis, 56, 62.
Hedeoma, 48, 66.
Hedera, 56.
Helianthemum, 26, 60.
Helianthus, 46, 64.
Helleborus, 9.
Hemerocallis, 37, 69.
Hepatica, 10.
Hepaticæ, 74.
Heracleum, 25, 63.
Hesperis, 26, 60.
Hibiscus, 50, 60.
Hieracium, 25, 51, 64.
Hierochloë, 17, 71.
Holcus, 29, 71.
Hordeum, 38, 72.
Hottonia, 33, 65.
Houstonia, 16, 63.
Hovenia, 57.
Hudsonia, 26, 60.

Humulus, 41, 68.
Hydrangea, 42, 50.
Hydrocotyle, 36, 63.
Hypericum, 36, 40, 47, 60.
Hypoxis, 20, 69.

Idesia, 57.
Ilex, 33, 37, 61.
Ilysanthes, 41, 66.
Impatiens, 39, 61.
Inula, 47, 64.
Ipomœa, 50, 66.
Iris, 25, 69.
Isœtes, 38, 73.
Iva, 51, 64.

Juglans, 22, 68.
Juncus, 30, 49, 69.
Juniperus, 10, 68.

Kalmia, 28, 65.
Kerria, 19.
Koelreutia, 42.
Krigia, 21, 64.

Lactuca, 40, 64.
Lamium, 10, 67.
Larix, 17, 68.
Lathyrus, 24, 31, 61.
Laurus, 57.
Lechea, 44, 60.
Leersia, 54, 71.
Lemna, 42, 70.
Leontodon, 43, 64.
Leonurus, 37, 67.
Lepidium, 23, 60.
Lespedeza, 51, 61.
Leucothoë, 20, 65.
Liatris, 54, 63.
Ligusticum, 46, 63.
Ligustrum, 39.
Lilium, 39, 43, 69.
Limnanthemum, 33, 65.
Limosella, 47, 66.
Linaria, 26, 37, 66.
Lindera, 12, 67.
Linnæa, 28, 63.
Linum, 41, 60.
Liparis, 21, 69.
Liriodendron, 35.
Listera, 21, 69.
Lobelia, 40, 43, 65.
Lonicera, 23, 31.
Ludwigia, 38, 62.
Lunaria, 16, 60.
Lupinus, 20, 61.
Luzula, 16, 69.
Lychnis, 21, 28, 60.
Lycium, 23, 66.
Lycoperdon, 75.
Lycopersicum, 32, 66.
Lycopodium, 50, 73.
Lycopus, 44, 66.
Lysimachia, 33, 65.
Lythrum, 48, 62.

Maclura, 57.
Magnolia, 17, 24, 30.
Mahonia, 17.
Maianthemum, 22, 69.
Malva, 18, 50, 60.
Marasmius, 75.
Marchantia, 26.
Marrubium, 37, 66.
Medeola, 28, 69.
Medicago, 20, 31, 61.
Melampyrum, 26, 66.
Melilotus, 36, 61.
Mentha, 48, 66.
Microstylis, 21, 45, 69.
Mikania, 54, 63.
Mimulus, 44, 66.
Mitchella, 32, 63.
Mollugo, 32, 62.
Monarda, 42, 66.
Monotropa, 41, 65.
Morus, 27, 68.
Muhlenbergia, 49, 52, 54, 71.
Musci, 73.
Myosotis, 21, 32, 65.
Myrica, 12, 23, 68.
Myriophyllum, 43, 62.
Nasturtium, 18, 26, 60.
Negundo, 11.
Nemopanthes, 22, 61.
Nepeta, 12, 37, 66.
Nicandra, 52, 66.
Nuphar, 23, 59.
Nymphæa, 32, 59.
Nyssa, 32, 63.

Oakesia, 17, 69.
Oenothera, 25, 38, 62.
Onoclea, 35, 72.
Onsmodium, 37, 65.
Ophioglossum, 35, 72.
Ornithogalum, 22, 69.
Osmorrhiza, 25, 63.
Osmunda, 23, 29, 72.
Ostrya, 16, 68.
Oxalis, 26, 61.

Pæonia, 27.
Panicum, 34, 49, 54, 56, 71.
Paspalum, 49, 71.
Pastinaca, 36, 63.
Paulownia, 24.
Pedicularis, 17, 66.
Peltandra, 29, 70.
Penthorum, 48, 62.
Pentstemon, 26, 66.
Persica, 18, 62.
Periploca, 57.
Phalaris, 34, 71.
Phegopteris, 34, 72.
Philadelphus, 31.
Phleum, 34, 71.
Phlox, 18, 42, 58, 65.
Phragmites, 54, 71.
Physalis, 52, 66.
Physostegia, 48, 66.
Phytolacca, 41, 67.
Picea, 17, 68.
Pilea, 52, 68.
Pimpinella, 46, 63.
Pinus, 22, 68.
Plantago, 14, 37, 44, 67.
Platanus, 22, 24, 68.
Pluchea, 51, 64.

Poa, 12, 27, 34, 38, 72.
Podophyllum, 21.
Pogonia, 21, 33, 69.
Polygala, 31, 44, 61.
Polygonatum, 22, 69.
Polygonella, 55, 67.
Polygonum, 42, 48, 53, 55, 56, 67.
Polypodium, 34, 72.
Pontederia, 41, 69.
Populus, 10, 11, 68.
Portulaca, 46, 60.
Potamogeton, 33, 70.
Potentilla, 12, 25, 28, 62.
Prenanthes, 51, 64.
Proserpinaca, 43, 62.
Prunus, 14, 19, 20, 28, 62.
Ptelia, 57.
Pteris, 34, 72.
Puccinellia, 27, 72.
Pycnanthemum, 44, 66.
Pyrola, 37, 65.
Pyrus, 14, 18, 19, 20, 62.

Quercus, 22, 68.

Ranunculus, 17, 24, 30, 39, 59.
Raphanus, 18, 60.
Retinospora, 10.
Rhamnus, 19, 25, 61.
Rhexia, 45, 62.
Rheum, 21.
Rhododendron, 18, 20, 32, 65.
Rhodotypus, 57.
Rhus, 30, 37, 45, 51, 57, 61.
Rhynchospora, 38, 70.
Ribes, 14, 62.
Robinia, 30, 61.
Rosa, 27, 31, 32, 62.
Rubus, 25, 28, 62.
Rudbeckia, 37, 64.
Rumex, 21, 28, 67.
Ruppia, 33, 70.

Sabbatia, 45, 65.
Sagina, 18, 60.
Sagittaria, 45, 70.
Salicornia, 48, 67.
Salisburia, 19.
Salix, 10, 16, 68.
Salsola, 48, 67.
Sambucus, 36, 39, 63.
Sanguinaria, 10.
Sanicula, 28, 63.
Saponaria, 43, 60.
Sarracenia, 25, 59.
Sassafras, 19, 67.
Saxifraga, 13, 58, 62.
Schwalbea, 41, 66.
Scirpus, 26, 30, 70.
Scleranthus, 19, 67.
Scrophularia, 41, 66.
Scutellaria, 44, 66.
Secale, 27.
Sedum, 33, 48, 62.
Selaginella, 50, 73.
Senecio, 9, 21, 64.
Sericocarpus, 40, 63.
Setaria, 49, 71.
Shepherdia, 13.
Sicyos, 47, 62.
Silene, 21, 31, 60.
Sinapis, 18, 60.
Sisymbrium, 23, 60.
Sisyrinchium, 25, 69.
Sium, 40, 63.
Smilacina, 22, 26, 69.
Smilax, 26, 28, 69.
Solanum, 32, 44, 66.
Solidago, 52, 54, 55, 63.
Sonchus, 32, 43, 64.
Sophora, 57.
Sparganium, 38, 70.
Spartina, 49, 71.
Specularia, 33, 65.
Spergula, 18, 60.
Spiræa, 19, 27, 35, 36, 43, 62.
Spiranthes, 49, 54, 69.
Sporobolus, 54, 56, 71.
Stachys, 44, 67.
Statice, 49, 65.
Steironema, 44, 65.
Stellaria, 9, 43, 60.
Stipa, 29, 71.
Strophostyles, 46, 61.
Styrax, 35.
Suæda, 48, 67.
Symphoricarpos, 31.
Symphytum, 37, 65.
Symplocarpus, 9, 70.
Syringa, 23.

Tamarix, 27.
Tanacetum, 43, 64.
Taraxacum, 12, 64.
Taxodium, 10, 68.
Taxus, 10.
Tecoma, 50.
Tephrosia, 36, 61.
Teucrium, 44, 66.
Thalictrum, 21, 31, 59.
Thlaspi, 26, 60.
Thuya, 10, 68.
Tiarella, 20.
Tilia, 35.
Tradescantia, 29, 69.
Trichostema, 53, 66.
Trientalis, 20, 65.
Trifolium, 24, 31, 61.
Triglochin, 25, 70.
Trillium, 23, 69.
Triodia, 56, 71.
Trisetum, 34, 71.
Triticum, 38, 72.
Tsuga, 22, 68.
Tussilago, 11, 64.
Typha, 38, 70.

Ulmus, 11, 67.
Urtica, 34, 68.
Utricularia, 45, 66.

Vaccinium, 14, 19, 37, 65.
Verbascum, 37, 66.
Verbena, 44, 66.
Vernonia, 34, 54, 63.
Veronica, 14, 26, 65.
Viburnum, 27, 28, 32, 63.
Vicia, 30, 61.
Vinca, 9.
Viola, 10, 12, 13, 60.

Vitis, 36, 61.

Weigela, 27.
Wistaria, 24.
Woodsia, 35, 72.
Woodwardia, 34, 72.

Xanthium, 53, 64.
Xanthoceros, 57.
Xanthoxylum, 17.
Xyris, 46, 69.

Yucca, 42.

Zannichellia, 33, 70.
Zizania, 45, 71.
Zizia, 25, 63.
Zostera, 33, 70.

T
581.97
H44

1988

Vining 37865